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NEWS SUMMARY

GENERAL

Tight German guard on Vorster

Dr. John Vorster, the South African Prime Minister, is being escorted by a large police force as he leaves the West German Foreign Minister's office in Bonn. The German police are on full alert following a call by German student organisations for a demonstration against the security factor. Wednesday's scheduled talks between Mr. Vorster and Dr. Kissinger have been transferred from Hamburg to a remote town in Eastern Bavaria.

In South Africa, where Defence Minister Mr. P. W. Botha has taken charge in the Prime Minister's absence, an uneasy calm has settled over Soweto, Johannesburg's Black sister city, as the ten other riot-torn townships as they measure the results of the worst violence for 16 years. **Back, Pages 10 and 25.**

Business

Plans to abolish road fund licence

ABOLITION of the £40-a-year road fund licence is being considered by the Government as part of plans to cut the £140m a year spending by the Civil Service. The memorandum suggests that to achieve a 10 per cent saving, 3,000 jobs would be axed at Department of the Environment's Vehicle Licensing Division at Swansea. The last revenue could be recovered by putting 20p extra duty on petrol. **Back Page**

Early Drax B plan discussed

THE GOVERNMENT is considering whether work should start early on Drax B, a new coal-burning power station at Solihull, which would give a much needed boost to the power generating industry. The electricity industry, however, says it needs no new power stations until 1979-80. **Back Page**

Politicians held in Jamaica

Three members of the Opposition Jamaica Labour Party and one member of the ruling People's National Party were the first detainees under a state of emergency imposed in Jamaica at the weekend following violence in Kingston which has claimed 105 lives this year. **Page 5**

On the beach

A U.S. Sixth Fleet vessel evacuated 320 foreigners from the beach at Beirut yesterday after they had failed to leave by road. The ship, the USS Freedom, is off the coast of Lebanon. In Paris, Syrian President Assad supported a French proposal for a round-table Lebanese peace conference. **Page 5**

FT half way

David Palmer, the Financial Times' news editor, in the trimaran FT, crossed the halfway mark in the Observer Transatlantic single-handed yacht race yesterday at 11:41N. The 41-year-old Mr. Palmer, in Robert's Golly, gave her position as 42N 42W. A Soviet rescue vessel was reported by Tass news agency to have picked up Frenchmen Yves Fauconnier and Jean Yves Tordat from ITT Oceanic and Krier. **Page 5**

Child benefit row

The row over the Government's postponement of the child benefit scheme, fuelled by allegations of a leak of Cabinet papers, is likely to surface at today's meeting of the UCL Labour Party Liaison Committee. **Page 4**

Briefly

Soviet Union announced the successful launching of the 18th automatic satellite in Eastern Europe's joint space programme. Spectacle frames containing cellulose nitrate are highly inflammable and should no longer be imported into Britain, Labour MP Mr. Marcus Lipton said. Holder of £50,000 winning premium bond number 703 746552 lives in Bournemouth. Mr. Alan Ward, of Wolverhampton, scooped the Toté Jackpot pool at Ascot, winning £26,200.

Government paper

proposes changes in company reports

BY MICHAEL LAFFERTY

A major change in company law through amendments to the contents of companies' annual reports is proposed in a Government consultative document being circulated to industry, the professions, the CBI and the TUC.

It suggests that reports should include no fewer than four new statements, a value added statement, an employment statement, and statements on future prospects and corporate objectives. The consultative document, on which comments are called for by the end of July, will form the basis of a White Paper to be published before the end of the year.

A wide-ranging review of the aims and scope of company reports, the Government paper also deals with social accounting, efficiency indicators, and conflicts between a director's personal interests and his responsibilities to his company.

The disclosure of information on industrial relations policy, health and safety at work, company pension funds and short-term debt is also dealt with. The document is part of the major Government re-examination of British company law which is now going on. The industrial democracy aspect of this is being dealt with by the Ruskell committee of inquiry, while the Government is also considering a reform of the securities market.

The last major company legislation, which was entirely limited to technical and financial matters, is contained in the 1948 Companies Act. The Companies Act 1967, which introduced a first step towards requiring a wider range of matters to be disclosed but the non-financial disclosures which it demands do not reflect the inherent philosophy about wider obligations to make such a statement.

Controversial

This shows clearly how much wealth has been created by the company and how it is shared between employees, shareholders, the Government and the company.

The most controversial of the new proposed statements is that of future prospects, which attracted considerable opposition from all sectors. The Government is most enthusiastic about the value added statement.

University heads call for

foreign student quotas

BY MICHAEL DIXON, EDUCATION CORRESPONDENT

QUOTA restrictions on the number of overseas students admitted to the 44 United Kingdom campus universities, are proposed by the Committee of Vice-Chancellors and Principals in a report issued today.

The quotas—the committee prefers the word "limitations"—would be decided to keep the number from overseas down to the present 27,000 or so, because the Vice-Chancellors also want to abolish the practice of charging overseas students higher tuition fees than those for British youngsters.

For the next academic year, the overseas fees will average £416, compared with the "home" average of £182. This differential should be abolished for the 1977-78 year, and replaced by uniform fees of £250 for undergraduates and £450 for post-graduates, says the report, which is under consideration by the University Grants Committee and will be in time for the postponed Cabinet decision on tuition fees in higher education.

Fee levels

No specific adjustment is recommended. But Sir Arthur Arncliffe, chairman of the committee, said that in the past the tuition fee and the student's minimum grant—regardless of parental income—had both been set at £50. He felt that the minimum grant could well be raised to match the proposed fee of £250.

The relatively low level of fees proposed is apparently intended to insulate universities from "market pressures". At present only about 10 per cent of the universities' annual current income of roughly £600m consists of fees, which fluctuate

with student demand for courses. This proportion—and the attendant uncertainty—would increase if fee levels were raised beyond the committee's proposals, even though extra relief might be afforded to British students.

The Vice-Chancellors are anxious not to let the number of overseas students increase any further. An extra discount is that, if a university set out to raise its fee income by marketing, the University Grants Committee would cut the extra earnings from the institution's normal grant.

Sir Fraser Noble—head of the working party which produced the report—emphasised that the quota would be set as a total at national level, and how many overseas students went to any particular university would be worked out by consultation between the institutions and the UGC.

There would definitely be no inflexible limits set on intakes either from particular countries, or into particular subjects, Sir Fraser said.

Revision up

Ten days ago Mr. Alan Greenspan, the normally cautious chairman of the Council of Economic Advisers, suggested that the Administration's official forecast for GNP growth for the current year would probably be revised upwards to about 7 per cent from the 6.2 per cent predicted in January.

His comments were based on the assumption that the rate of growth in the first three months was not sustainable nor given its inflationary implications, desirable.

Important

One important factor helping to cut growth in money supply last month was the reversal of the exceptionally large number of items in transit in the banking system in the previous period, the result of the Easter holidays. Sterling sight deposits with the banks, which had been inflated in April, dropped back last month by £335m.

Against this, the rise in bank lending to the private sector was accompanied by a significant increase in sterling lending by the banks to the public sector, put at about £150m, after seasonal adjustment.

After seasonal adjustment. Editorial comment Page 10

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After seasonal adjustment. Editorial comment Page 10

Fed chief defends growth optimism

Money supply expansion rate cut

BY JUREK MARTIN

WASHINGTON, June 20. DR. ARTHUR BURNS, the chairman of the Federal Reserve Bank, has taken sharp exception to recent reports that there has been a quite dramatic slowdown in the rate of growth in the American economy over the last couple of months.

Speaking to a bankers' conference in San Francisco at the weekend, Dr. Burns predicted that real growth in the second quarter would be "distinctly higher" than the 5 per cent, adding that some more pessimistic recent projections have pointed to a

Adamant

Dr. Burns did not dispute that the second quarter would show a more restrained rate of growth than the first, which the latest revised Government figures show produced an annual real growth of 8.7 per cent.

But he was adamant that there was no economic evidence that should persuade the Fed to alter its monetary policy. Periodically criticised for exercising too stringent monetary controls, Dr. Burns said: "My stock-in-trade is empirical evidence. We are not the last ones to know what is going on in the economy. If there is need for a change [in the monetary policy] we won't be slow in changing it."

The chief reason for the sudden emergence of caution in economic forecasting has been the recent reduction in consumer spending. The first-quarter record for fast-growing retail sales was far stronger than expected at the New Year, but in April and May retail sales, a good yardstick, flattened out.

It should be stressed that inside the Administration there is widespread agreement with the thrust of Dr. Burns' comments, and remarkably little concern that the economic recovery is in any way threatened.

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After seasonal adjustment. Editorial comment Page 10

Money supply expansion rate cut

Increases

BY MICHAEL BLANDEN

THE GROWTH rate of the money supply was sharply reduced last month after the exceptional expansion recorded in April.

Over the past three months, both of the accepted measures of the money stock have shown a reduced rate of not much more than 10 to 11 per cent, a year. This compares with an underlying inflation rate, as measured by the retail price index, of about 13 per cent in recent months.

The banks, however, are still uncertain whether this large increase reflects genuine revival of industrial confidence and demand for loans to support investment. There is a strong suspicion that a significant part of the rise is the result of borrowing to finance "leads and lags" over the exchange markets, as companies took precautions against the decline in the value of the pound.

During the four-week period to mid-May, therefore, the money supply rose by about £180m, bringing the increase over the past two months to an estimated figure of nearly £400m.

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CHANGES IN THE MONEY SUPPLY

Seasonally adjusted monthly changes, £m. and per cent.

	M1	% change	M3	% change
May 21	300	2.1	500	1.4
June 18	-37	-0.2	94	0.3
July 16	324	2.2	252	0.7
Aug. 20	376	2.4	604	1.6
Sept. 17	230	1.5	206	0.5
Oct. 15	73	0.5	462	1.2
Nov. 19	7	-	-258	-0.6
Dec. 10	233	1.4	-22	-

1976

Jan. 21 -48 -0.3 439 1.1
Feb. 18 620 3.8 573 1.5
Mar. 17 140 0.8 172 0.4
Apr. 21 340 2.0 529 1.3
May 19 -16 -0.1 236 0.6

basic trend in money supply movements behind the sharp, 21 per cent. Over the past 12-month period, the growth rate of money stock also has been quite moderate, with M1 up by 15 per cent and M3 by only 9 per cent.

Large increases have been seen in February and in April, but in May, particularly in the narrower definition of the money stock (M1). And the Bank of England admits that its seasonal adjustments and efforts to iron out special influences are subject to a considerable degree of uncertainty.

There are some indications that the latest month's figures may understate the trend, in a period when there were some influences at work which might have been expected to produce a more rapid growth in money supply.

These included a further jump in lending in sterling by the banking system to the private sector, which normally, would be expected to influence the general level of money supply.

After seasonal adjustment. Editorial comment Page 10

"...the time to invest is at the bottom of the trade cycle so that the new plant and machinery is turning out goods at the top of the trade cycle."

Chancellor Healey

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HOME NEWS

Row over child benefit scheme expected to-day

BY RICHARD EVANS, LOBBY EDITOR

THE ROW inside the Labour movement over the Government's postponement of the child benefit scheme is likely to surface at today's meeting of the TUC/Labour Party liaison committee.

Left-wing members of the committee, including Mrs. Barbara Castle, the former Social Services Secretary, will be pressing for the Government to implement the scheme next year, as originally planned, to replace the existing system of family allowances.

At the same time, some trade union leaders will be levelling accusations of bad faith at Ministers because of sharp discrepancies disclosed in the Cabinet documents leaked last week. They deny they were violently opposed to the scheme.

Advocates of the effect it would have on take-home pay, and that this "opposition" had led to the scheme's postponement, as the Cabinet minutes suggested.

Some Labour MPs have already warned Ministers that unless the Government reverses its policy and introduces the scheme, the new social contract with the unions could be jeopardised. The purpose of today's meeting is to approve the new contract based on the TUC ac-

ceptance of the 4½ per cent pay policy for the coming year.

A confidential Transport House draft document prepared for the meeting states that despite the Government's postponement "we believe that the full introduction of this important reform should proceed as quickly as possible."

It was therefore of the utmost importance that the new child benefit scheme should be introduced next year, the document adds.

Over 100 Labour backbenchers and some Tories have signed a motion critical of the Government's retention, but officially the Conservatives, although supporting child benefits, are not pressing for early implementation because of the possible effects on public spending.

Meanwhile, there was no discernible support from Labour colleagues yesterday for Mr. William Price, the Minister responsible for co-ordinating Government information services, following his startling allegations of Whitehall leaks.

Mr. Price, Parliamentary Secretary at the Privy Council Office, alleged that what had been happening was "the conscious and premeditated leakage of top-level decisions and discussions for the most doubtful reasons."

Shortage of nuclear waste fuel plant seen

By David Fishlock, Science Editor

WEST EUROPE will have only half the reprocessing capacity it requires for spent nuclear fuel by 1980, a Foratom study of nuclear waste management has found.

It cites modifications and operating problems, sharply increasing investment costs, and uncertainties about safety requirements, as the main reasons for the shortfall.

As a temporary solution, utilities and reprocessing agencies are installing "at some additional cost" special ponds for the prolonged storage of spent fuel. The study also suggests that the reprocessing agencies should include in their prices the cost of ultimately dismantling their reprocessing plants.

The working party, headed by Mr. F. Seynaeve, president of the Belgian Nuclear Forum, estimates that Europe will have only 1,000 tonnes of capacity for reprocessing oxide fuel—mostly in the U.K. and France—by 1980, equivalent to the annual needs of 34,000 MW reactors.

But by 1980 Europe is expected to have 120 reactors, totalling 70,000 MW, although some of this capacity will be burning the simpler uranium metal fuel. The total will rise to 180,000 MW by 1985.

An important aspect in planning nuclear waste management schemes is the dismantling of abandoned nuclear installations. The study estimates that by 1990 Europe will have about 30 such installations ready to be decommissioned and another 15 in the following decade.

It recommends the continued use of their sites, permitting delay in the complete removal of plants and taking advantage of radioactive decay.

Buildings at Windscale Page 23

National Savings still up

By James McDonald

NATIONAL SAVINGS continue to show a marked upturn. For the five weeks to May 29 net new savings, provisionally, were £30.4m, and in addition accrued interest for the period was £30.2m.

The comparable figures for May last year were £3.4m, and £26.6m, respectively.

Sales of the British Savings Bonds, at £17.2m, were the highest achieved since July 1974 and, with withdrawals at only £10.1m, the net figure of £7.1m is the best since August 1973.

Sir John Anstey, president of the National Savings Committee, reports that Premium Savings Bonds also performed "exceptionally well" during May. Gross receipts of £16.2m, and net sales of £10.2m, were higher than comparable figures since March 1973.

The Index-Linked Retirement Certificate has now been on sale for 12 months. With a May contribution of almost £12m, total sales are now well over £270m and the number of holders is nearing 600,000.

Company reports reform plan drafted

BY MICHAEL LAFFERTY

EXTENSIVE enlargements in the range and detail of statements given in companies annual reports are proposed by the Government in a draft consultative document being considered by interested bodies.

Last week the Confederation of British Industry, the TUC, the Stock Exchange, the Law Society and the Consultative Committee of Accountancy Bodies were asked to give their comments by the end of July.

Entitled Aims and Scope of Company Reports, this will be expanded and turned into a White Paper for publication later in the year. The document is extensively based on the accountancy profession's controversial discussion paper, The Corporate Report, published in 1973, which, although generally supported by British industry and the profession, met with strong opposition from the City.

Now that the Government is seen to be thinking along similar lines, it would seem that the City could be out of touch with the general view.

The aims and scope of company reports is one of three main areas of reform of company law on which work is now in progress. The question of industrial democracy is being studied by a committee of inquiry under the chairmanship of Lord Evers of Ladbroke and the Government is also examining the arrangements for the U.K. securities market.

Traditionally, company accounts and reports have been intended primarily for the benefit of shareholders and creditors. But in recent years the attitudes have changed. Now, as

the Department of Trade paper states: "Few would dispute the view that to their employees and the community generally as well as to their shareholders and creditors and that these wider responsibilities may lead to a requirement to disclose further information."

The D.O.T. concludes that the purpose of company reports should be "to disclose information about companies which is of general public interest, leaving information of interest to particular sectors to be supplied through separate channels."

On this basis, the Department's "preliminary view is that the subjects identified in The Corporate Report which should be given the highest priority for further consideration as candidates for new statutory disclosure requirements are: (a) Value added, (b) Employment report, (c) Future prospects, (d) Corporate objectives.

All of these would become additional statements in company's annual reports. The D.O.T. like most other commentators is less than enthusiastic about two other statements proposed in The Corporate Report, namely transactions in foreign currency and money exchanges with government.

The Department is most enthusiastic about the Value Added statement. The great merit of an added value statement as a supplement to the profit and loss account is that it shows, in a clear way, the amount of the wealth which has been created by an enterprise and how the wealth is shared between pay-

ments to employees, to providers of capital, to Government and to the community generally as assets."

The data which The Corporate Report suggested should be disclosed in the employment report includes numbers employed, location, age distribution, hours worked, employee costs, pension schemes, education and training, recognised trade unions, employee ratios (sales per employee, net earnings per employee, etc.), employment of the disabled and complaints to the Race Relations Board and Equal Opportunities Commission.

The D.O.T. welcomes the concept but says: "It is for consideration whether all these specific items of information are necessarily required for a general appreciation of a company's employment policies."

Other proposed disclosures discussed in the paper cover sources and applications of funds statements, segmental accounts, short-term debt, corporate pension funds, directors' interests and efficiency indicators.

Although the 1967 Companies Act requires companies to disclose, in their directors' reports, the turnover and profitability of each class of their business, the rule has not worked well in practice. It is felt that it leaves too much to the discretion of the directors with the result that the information disclosed is often of limited value.

Because of this the Department thinks that the best course may be merely to require the information to be included in the accounts rather than the directors' report. This would have the effect of making the basis of disapproval subject to the auditor's report and would probably lead

to an accounting standard of the matter.

The Department of Trade is also concerned about situations in which there is a conflict between a director's personal interests and his responsibilities to a company. These, it says, "could lead to major abuses, especially in relation to directors' interests in contracts with their company. The Department has commissioned a separate paper on this subject."

Considering the need for additional information on indicators of efficiency, the Department paper states: "There is probably no single economic topic of greater public concern at present time than the efficiency of industry and its relative competitiveness compared with overseas companies."

A possibility known to be particularly favoured by the Department is the disclosure of information relating to the assets, output or sales of companies.

For the first time there is an attempt in the Department's paper to set out the dividing line between company and the accounting standards now being laid down by the accountancy bodies. So the much to the discretion of the directors with the result that the information disclosed is often of limited value.

The paper also indicates that the Government may be willing to grant concessions on the disclosure requirements to smaller companies. At the same time, the Government has to disclose the same information apart from a few exceptions under the 1967

World airlines 'must spend £26.4bn. in ten years'

BY LORNE BARLING

WORLD airlines will need to spend £26.4bn. on new passenger aircraft in the next 10 years to keep up with demand for seats, according to a study by the Lockheed Aircraft Corporation.

The study, relating to the intensity of present negotiations between airframe and engine manufacturers in Europe and the U.S. on future collaboration, is based on a 7.6 per cent annual traffic growth up to 1985.

The capacity required is expected to cost £18.4bn. and Lockheed predicts growth in EEC £7.5bn-worth of new aircraft to be needed to replace airliners such as Boeing 707s, McDonnell Douglas DC-8s and British VC10s.

Lockheed predicts that the equipment will be primarily today's wide-bodied aircraft and their derivatives.

Its calculations showed that in the 11 years to 1974 world airline traffic grew at 12.5 per cent annually, adding 342bn. annual passenger-miles.

Another survey on aviation expenditure by Frost and Sullivan predicts growth in EEC business flying.

unemployment rose last month by 16,300, to 1,250m, a larger increase than in previous months.

The three-monthly average has been rising at a much slower rate than in the winter and there has been a slightly rising trend in unfilled vacancies, but the forecasters are still hesitant about whether to revise their original projections that unemployment would go on increasing for some months and would not start to fall until the end of the year.

The March and April figures suggested that this forecast might be too cautious, while the May total tended to support its conclusions—which explains the interest in the June announcement as a possible indicator of the underlying trend.

On the usual pattern of a business upturn, output rises first, followed by vacancies, with unemployment lagging behind.

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MILBURY LIMITED

Results to 31st March 1975 1976

Turnover increased from £3,286,078 to £4,095,325

Profit before tax increased from £ 105,673 to £ 426,517

Earnings per share increased from 4.69p to 12.12p

Dividend per share (maximum permitted) increased from 1.919p to 2.116p

Multinationals' profits hit by fall in sterling

BY KENNETH GOODING, INDUSTRIAL CORRESPONDENT

A WARNING that the fall in the value of sterling has made the U.K. profits of multinational companies look less healthy has been given to employees by International Harvester Company of Great Britain.

Reporting that net sales rose more than 25 per cent in the first half of 1976 compared with the same period last year, to over \$52m, the company, which makes agricultural equipment and is U.S.-owned, comments: "Because of the fall in the value of the pound against the dollar (and against many other currencies too) all of these figures will look less favourable to our principal shareholders."

Wheel tractors

"It remains of vital importance to us all, as private individuals as well as company people, that inflation should be held in check so that the money we earn in wages and salaries and the money we earn as exporters will buy us good value."

The sales value increase in the first half to some extent due to rising costs and selling prices but there was also an increase

Final Price Code talks between CBI and Minister this week

BY ELINOR GOODMAN, CONSUMER AFFAIRS CORRESPONDENT

THE Confederation of British Industry is expected to have a final meeting this week to discuss revisions to the Price Code with Mrs. Shirley Williams, Secretary of Prices, before publication of the consultative document early next week.

This follows a week of negotiations at official level. The Minister will be sent an agreed note of the meetings and will decide on the basis of these minutes, how to resolve the two main outstanding points.

Last week's meetings concerned working capital and the related question of allowing companies to calculate stock profits on the basis of replacement costs and the problem of how to reward companies for increased efficiency.

Though the CBI is unlikely to be totally satisfied by the changes included in the consultative document, it is clear that companies will be allowed more freedom to raise prices.

The Department of Prices appears to be working towards a package of changes which will add about 1 per cent to the retail price index. The package will include an increase in the amount of investment expenditure which can be passed on in prices, a reduction in the proportion of labour costs which companies have to absorb and some crude provision for inflation accounting as well as some measure to allow companies to benefit from improvements in both efficiency and output.

The CBI suggested that the present investment working capital scheme should be extended to cover working capital. At the same time, it urged the Government to allow all companies to deduct stock profits from their profits when calculating their margins for the purpose of the Price Code.

The problem is that in the Department's view the two suggestions would partly overlap by allowing companies more freedom to raise prices to offset the effect of inflation on their raw materials.

The argument is not over the basic question of whether companies should be able to make allowance for inflation when calculating profits, but over the method that should be used to do this and the degree of relief that should be given.

The inclusion of working capital in the investment relief scheme would mean that companies would be able to include predicted increases in working capital requirements on the list of costs which justify a price increase under the code. It would also mean that they would be able to reflect the increase in working capital on profit margins.

But because most companies are nowhere near profit ceilings, the main attraction of this proposal is it would mean that companies could justify larger individual price increases when applying to the Commission.

The suggested change on stock

appreciation, however, will probably be of more benefit to smaller companies for which a profit margin control is a restraint.

The retailers, who do not have to apply for individual increases but are controlled both by the and gross profit margins, particularly keep on this scheme.

Last week the CBI tried to persuade the Department that the two proposals were reasonable but it seems likely that they will not get all they want.

The other main point has been over the question of retail company prices for greater efficiency.

The CBI proposes that companies should be allowed to calculate labour costs on basis of the increase in unit costs while retaining the existing method of calculating material rises on the increase in output costs.

Forex predicts pound at \$1.74 next year

BY MICHAEL BLANDEN

A FURTHER modest fall in the value of sterling to about \$1.74 by the middle of next year, is forecast in the latest report issued by Forex Research.

This, the report says, will reflect a number of weaknesses in the U.K. economy. But towards the end of the period the forecasters expect these problems to be "significantly worked out," bringing greater stability to the sterling rate.

Among the factors affecting the pound, they say, will be a continuing deficit on the current account balance, of payments. The deficit is expected to show a reduction from last year's £1.7bn. to about £1.5bn. for the whole of 1976.

The forecasters have reduced this prediction from the previously estimated figure of £1.85bn. because of the fall in the pound, the strong growth in exports and the expected recovery in invisible exports—particularly from tourist earnings.

The pound will also be held down by a continued relatively high rate of inflation in the U.K. Towards the end of the period, however, they see the beginnings of an improvement.

In contrast, Forex predicts

Gold share jobbing firms may be reduced to one

BY MARGARET REID

A SITUATION which threatens to reduce the number of London Stock Exchange jobbing firms dealing in South African gold-mining shares to only one is being brought this week to the notice of Mr. Denis Healey.

Behind it lies the fact that London business in these shares has been heavily hit, since the rule that investors must surrender 25 per cent of the valuable dollar premium of some 50p in the £ on proceeds of selling overseas securities was extended in 1974 to these and other former Sterling Area shares.

Mr. Healey is being asked to drop the surrender rule, which yields the nation's reserves some £180m. a year of foreign currency, or at least to modify it.

The immediate problem has arisen following the withdrawal

reported in Friday's Financial Times, of one of the three jobbers in this market, Stocken and Lazarus, and the possibility that Veldre Duracher Mordant may also pull out.

That would leave only Smith Brothers, which has long traded in these "kaffir" shares—which would remove the competitive element which is an essential part of the London jobbing system.

The Stock Exchange has lately been pressing the Government to drop or relax the "25 per cent surrender" rule, but despite meetings with the Treasury and the Bank of England it has obtained no concession. It plans to submit to-day or to-morrow a memorandum to the Treasury.

The Financial Times, published this week, says that the surrender rule is "a major obstacle to the development of the South African gold-mining share market."

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FLIGHT NO. 103	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172
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FLIGHT NO. 108	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172
FLIGHT NO. 109	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172
FLIGHT NO. 110	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172
FLIGHT NO. 111	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172
FLIGHT NO. 112	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172
FLIGHT NO. 113	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172
FLIGHT NO. 114	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172
FLIGHT NO. 115	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172
FLIGHT NO. 116	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172
FLIGHT NO. 117	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172
FLIGHT NO. 118	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172
FLIGHT NO. 119	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172
FLIGHT NO. 120	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172	SV 172

ALL TIMES ARE LOCAL

OVERSEAS NEWS

Guerillas supervise U.S. evacuation from Beirut

BY HSAN HIAZI

BEIRUT, June 20

AN UNARMED vessel of the U.S. Sixth Fleet stationed in the Eastern Mediterranean today evacuated 320 foreigners from Beirut after they had been unable to leave by road to Damascus because of the deteriorating security situation. The evacuation operation was supervised by Palestinian guerrillas and the Left-wing "Lebanese Arab Army". A landing craft able to carry 400 passengers left the mother ship, the "S.S. Spiegel", and docked at the "military beach" of Rasoune near the buildings of the British and U.S. embassies.

Syria, France agree on Lebanon summit

BY ROBERT MAUTHNER

PARIS, June 20

SYRIA and France reached agreement here at the week-end on the "organisation" of the round table peace conference to solve the Lebanese crisis, but neither the place nor the date for such a meeting has yet been fixed. Syria's endorsement of the French proposal to call a peace conference of the warring factions in Lebanon was announced by President Hafez al Assad at

King Hussein of Jordan has left Moscow for a trip to Siberia amid indications that he is completely serious about buying a Soviet missile defence system, David Satter reports from Moscow. Western diplomats believe that Hussein's visit to the Soviet Union, despite the dangerous situation in Lebanon, is a convincing indication that he is not just going to Moscow as a means of putting pressure on the U.S.

At a dinner in his honour King Hussein said the purchase of Soviet missiles by Jordan would facilitate co-ordination with Syria making it possible for the two countries to establish a single, integrated air defence system.

The end of an official visit to France. It fell short, however, of a firm commitment to the French President's suggestion that the conference should be held in Paris.

President Assad also ruled out the participation of representatives of the Palestine Liberation Organisation in the round table conference. "The conference is designed to find a solution to the Lebanese problem, which is the sole concern of the Lebanese people," Mr. Assad said.

The Syrian and French view is that the conference should be chaired by the Lebanese

President-elect, Mr. Elias Sarkis. Before, however, the Syrian and Egyptian Prime Ministers will meet in the Saudi Arabian capital, Riyadh, next Wednesday. They are also expected to arrange a summit meeting between President Assad and Egyptian President Anwar Sadat, with whom President Giscard d'Estaing had a telephone conversation during the Syrian President's visit.

Whether the round table conference takes place as the French and Syrians hope is also dependant on the agreement of all the Lebanese parties involved in the conflict, and this is still not a foregone conclusion.

Nor did the Syrian President set any date for the withdrawal of Syrian troops from Lebanon. They would be pulled out as soon as "the legal authorities requested him to do so or the conditions for a political settlement of the crisis had been achieved," Mr. Assad said.

The PLO spokesman in Paris, meanwhile, welcomed the French initiative to call a round table conference but opposed France's proposal to send a peace-keeping force to Lebanon to guarantee a cease-fire.

Reuter reports from Damascus: Arab League Secretary-General Mahmoud Riad said today he hoped that an advance party of an Arab peace-keeping force would enter Lebanon this week. Mr. Riad told a Press conference that the 1,000-strong party would be stationed at Beirut Airport as a first step towards restoring communications.

Meanwhile in Tehran, President Sadat agreed to the dispatch of French forces to Lebanon, if its President-elect Elias Sarkis requests it, he told reporters on Saturday.

Four arrested in Jamaica under state of emergency

BY CANUTE JAMES

KINGSTON, June 20

THREE MEMBERS of the opposition Jamaica Labour Party (JLP) and one member of the ruling People's National Party (PNP) are the first detainees under state of emergency imposed in Jamaica at noon yesterday.

The state of emergency was imposed in the wake of sporadic outbreaks of violence in one area of Kingston since January, which has already claimed 106 lives, including those of 17 policemen.

In announcing the state of emergency, the Prime Minister, Mr. Michael Manley, said there were indications of a plan to escalate the level of violence in the island.

The decree gives the security forces powers to arrest and detain persons who are likely to endanger public safety. It is under this section that the four politicians were arrested last

night. The JLP detainees are all members of the party's national executive while the PNP member is a prospective candidate in the forthcoming elections.

This latest development followed the defection on Friday of a leading member of the JLP, Mr. Herb Rose, claiming he had evidence that the party was intending to use violence as a means of gaining victory in the general election, due by the end of next June.

The JLP has denied the charges. Opposition leaders had been predicting a state of emergency for several months.

The decree came after an arms cache had been found in the Trench Town area of Kingston, one of the traditional trouble spots. The cache contained a sub-machine gun, five revolvers and hundreds of rounds of ammunition.

Commodity trade report

BY STEWART FLEMING

NEW YORK, June 20

A COMMODITY Futures Trading Commission advisory committee report on the regulation of the U.S. commodity markets has concluded that the existing system, which puts speculative limits on transactions, is ineffective.

The CFTC is the federal regulatory authority established in 1975 to supervise commodity futures trading.

The advisory committee has concluded that market abuse may best be prevented by improving the terms of contracts and by an improved monitoring and surveillance process. The latter would rely on the

exchanges for initial surveillance, with their greater informality and flexibility, but backed up by the CFTC.

Another factor in the approach being recommended by the committee is the collection of better data and a fuller analysis of this data.

A spokesman for the advisory committee said that one of the problems with the speculative limit approach to regulation is that by concentrating on restricting the commitments of speculators it left no control on the commercial hedgers in the markets.

Turks vote in first Cyprus poll

Mr. Rauf Denktaş was expected to emerge as a clear winner in the presidential election held in the Turkish Cypriot community yesterday—the first since the unilateral creation of their "federated state" in northern Cyprus 13 months ago, our Nicosia correspondent writes. Mr. Denktaş's chief rival, Mr. Midhat Herberoglu of the Republican Turkish Party, is a more moderate politician who has come out against any unilateral declaration of independence for the Turkish "state" which would lead to the island's final partition.

Fraser in Peking

Australian Prime Minister Malcolm Fraser arrived in China yesterday and immediately became embroiled in the bitter

Sino-Soviet dispute. Reuter reports from Peking. Ambassadors of the Soviet Union and seven other Communist nations failed to turn up at Peking Airport to greet him and later boycotted a banquet for him in the Great Hall of the People.

Tanzania Budget

Tanzania made little progress in overcoming its economic problems last year and food and cash crop production were all below the hoped for targets, according to the 1976-77 budget speech to Parliament by Finance Minister Amir Jamal, our Dar-es-Salaam correspondent writes. Mr. Jamal said the five year development plan which was postponed last year because of economic problems, would start next month.

OECD economists urge commitment to modest growth rate

BY RUPERT CORNWELL

PARIS, June 20

A FIRST set of guidelines for the behaviour of multi-national companies, and a strategy for steady non-inflationary growth, are expected to be adopted during the two-day ministerial meeting of the OECD which opens here tomorrow.

Finance and Foreign Ministers of the organisation's 24 member countries, making up almost the entire developed world, will be attending. The meeting is also likely to renew for a further year the trade pledge introduced in 1974.

The significance of the discussions is that they come not only a few days before the seven-nation Western economic summit in Puerto Rico, but at a moment when there is universal concern that the present vigorous recovery might spill over into a new inflationary boom leading inevitably to a new and deeper recession.

Senior OECD economists now argue that the only hope of avoiding this lies in governments deliberately opting for a modest and controlled rate of expansion between now and 1980, only slightly above underlying potential growth of around four per cent, annually.

This, they suggest, would create the stable environment needed to persuade companies to start investing again, the pre-condition of any lasting upswing. So far capital spending has failed to respond to the upturn, partly, it is underlined, for political reasons.

The corollary, however, is that governments will have to wait until the end of the decade for a return to reasonably full employment. The political problems here are not lost on the OECD, but it still hopes that careful preparation will produce a firm commitment from the Ministers.

The alternative, they warn, is run-away expansion quickly leading to capacity shortages and bottlenecks, rocketing commodity prices, and inflation well above the present OECD average of some 8 per cent.

The multi-nationals' good conduct code has also been carefully regulated for the past 16 months within the organisation. Although it is voluntary, it contains strongly worded recommendations both on the burning issue of bribery and on the disclosure of corporate information.

Heavy poll expected in Italy's election

By Dominic J. Coyle

ROME, June 20

AN ESTIMATED 37m. Italians, including a large number of returned migrant workers, voted on the week-end in a crucial general election, which has boiled down to a direct confrontation between the long-ruling Christian Democrats (CD) and Europe's largest Communist Party. It is also an election whose significance extends beyond Italy.

Within four hours of polling booths opening this morning, just under one in five of all electors had voted, and when voting ends at luncheon tomorrow, the poll is expected to exceed 80 per cent. First results—for the senate—should be coming in late tomorrow afternoon and a clear picture of the composition of both houses of Parliament is likely about midnight.

In the 1972 general election, the Christian Democrats emerged in both houses with more than 38 per cent. of the popular vote and a margin of 11 per cent. over the Communists. This gap was reduced to an average of just over 3 per cent. when the Communist party secured 32 per cent. of the popular vote in regional elections 12 months ago.

Roman Catholic priests in man, parts of Italy used the Sunday morning mass sermon to counsel voters against supporting the Communists (PCI).

Reagan closes gap on Ford

BY JUREK MARTIN, U.S. EDITOR

WASHINGTON, June 20

PRESIDENT FORD and Mr. Ronald Reagan got more or less what they expected from Republican Conventions in five States over the week-end.

Mr. Reagan won more delegates to the National Convention (35) than Mr. Ford (38) and succeeded in further narrowing the gap between himself and the President in the crucial delegate race that will decide the party's presidential nomination. Individual tallies vary, but a rough consensus now gives Mr. Ford about 1,000 delegates, 80-90 ahead of Mr. Reagan. A total of 1,120 is needed for the nomination. About 160 delegates remain to be chosen in a further seven State Conventions in the next four weeks, while another 180 or so have already been selected pledged to neither candidate.

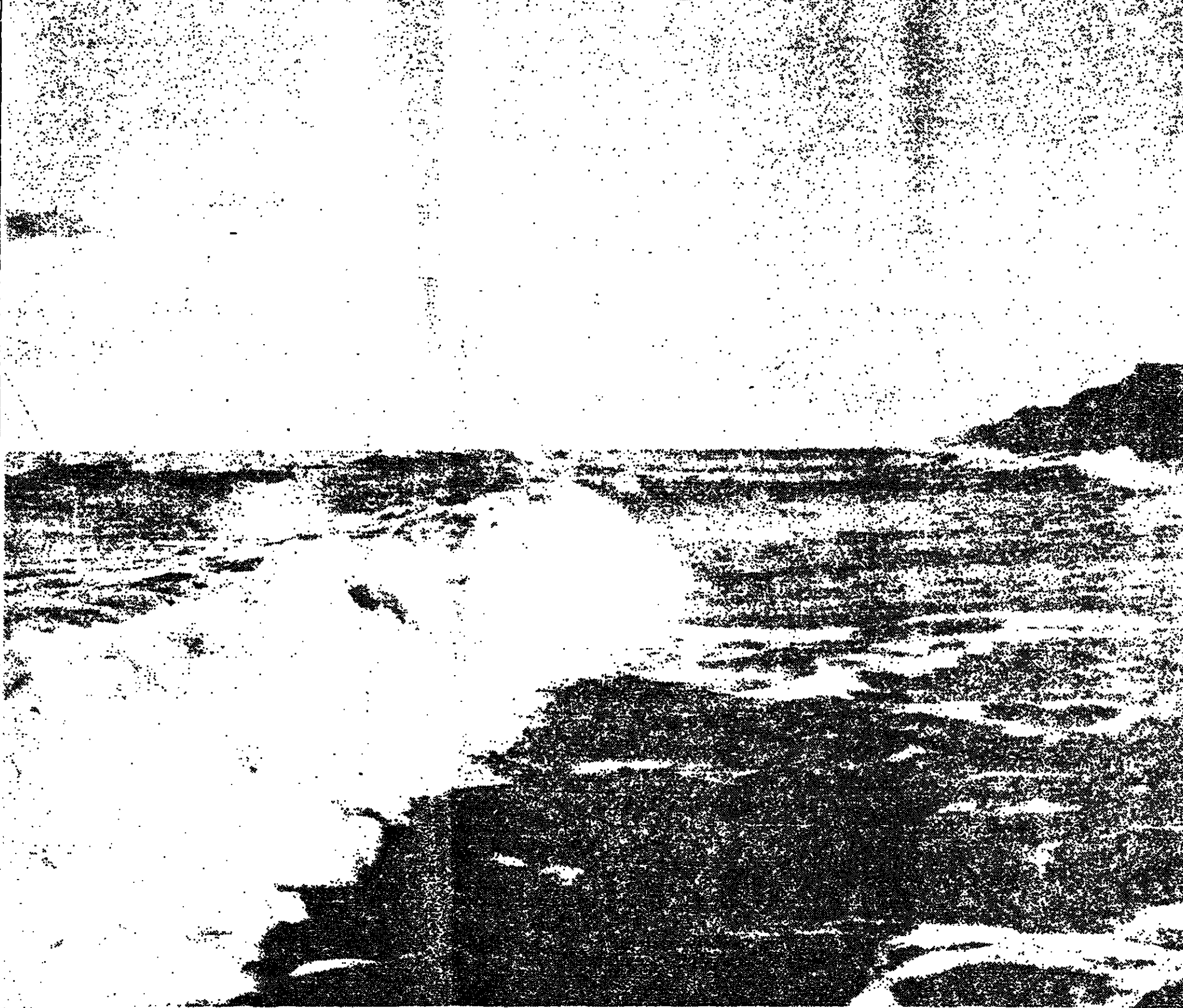
From the President's point of view, his greatest satisfaction was that he managed to avoid in Iowa the debacle that befell him last week-end in Missouri, when Mr. Reagan outscored him in delegates by 18 to one. Iowa's Republicans allotted 19 delegates to Mr. Ford and 17 to Mr. Reagan. Mr. Ford had cancelled a planned trip to Des Moines on Friday because of the demands of the Lebanese crisis and had sent his wife instead. Some of his advisers probably felt that this enhanced his chances since it was possible to portray him as the President doing a difficult job in the White House. He has so far been largely

unable to capitalise on the natural advantages any incumbent has. In Washington State, the President actually got one or two more delegates than had seemed likely, even though his seven was easily outdistanced by Mr. Reagan's 31. In Delaware, the Ford camp seemed to have won at least 13 of the 17 at stake, with the other four technically neutral but possibly leaning in his favour.

Looking ahead, Mr. Reagan is the favourite to win a majority of the delegates at stake next week-end in Montana (20) and New Mexico (11) while Mr. Ford is expected to take most of the 18 going in Minnesota. The July 10 meetings in Colorado and North Dakota (18) and that on July 16 in Utah (20) should further tip the balance. Mr. Ford has hopes of taking perhaps all the 35 available in Connecticut on July 17.

The race, therefore, remains ridiculously close. Both sides are predicting victories with Mr. Reagan's confidence reflecting the general superiority that his strategists possess at the sort of grass roots Republican level that dominate state conventions.

A VIEW OF THE GASWORKS



The supplies of natural gas in the North Sea constitute an abundant and vital resource for Britain. In fact, up to half the useful energy available to Britain from the North Sea may well come in the form of natural gas. A clean, controllable, versatile and efficient fuel, virtually unrivalled as a source of heat—and kind to the environment, too.

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Given that the country continues to follow sensible depletion policies and takes the necessary steps to recover and exploit offshore resources, Britain will continue to benefit from natural gas well into the 21st century.



BRITISH GAS

GAS-DOING A GREAT JOB FOR BRITAIN.

The Executive's and Office World

Arthur Sandles reports on a change in the pattern of expense account eating with a switch away from high-price restaurants which now have to rely on tourists

Companies trim restaurant bills

RESTAURANT keeping is one of those businesses in which no one is ever doing badly—at least, that is what they would like you to think. Ask why most of the tables are empty at that particular lunchtime and you will get the reply: "you should see it in the evenings." But there is little doubt that things are not what they were at the top of the restaurant business, and part of the reason is that the expense account eater has not such a deep pocket as was once the case.

Whatever your restaurant might tell you, the figures overall are clear enough. For the past couple of years the rate of expansion in restaurant spending has been markedly below the rate of inflation. In other words, either there is less eating out, or margins are being hit hard. Neither of these possibilities is particularly good news for an industry which already features high on the bankruptcy ratings.

The overall picture of commercial eating generally is a cut back on eating out, and a big switch to the canteen and the Boardroom dining table. In the first quarter of this year "in-house" eating of this sort increased by 17 per cent, according to Department of Industry figures. Spending on eating out in restaurants and cafes rose by only 9 per cent.

A virtually unlimited dining out expense account was one of the perks of the 1960s executive and one which, although it still attracts considerable Left-wing attention, has diminished more than somewhat. The first knock came when the business lunch ceased to be a tax deductible expense some years ago, but much more serious has been an economic downturn which has made companies look much more closely at the spending of their employees.

Restaurant owners are extremely reluctant to talk about the subject. "Well, of course, we have not been affected, but Fred down the road is in a terrible state." None the less, it is a rare restaurant which does not bear some of the bruises of changed circumstances among its clientele. When your restaurant starts to trim its menu a little, when it suddenly launches a "businessman's lunch" ("customer de-

mand, old boy"); and finally, when it converts the side room into a wine bar... those are the signs that business traffic is not what it was.

Business executives, or at least the accountants who finally have to approve the expenditure, have suddenly become price resistant.

The result has been a considerable pressure on restaurants at the top end of the market, and particularly those

which have not had the burgeoning tourist market to fall back on. In recent months the fall out in London has been spectacular, with Mme. Prunier having departed for health reasons and her manager admitting that "business generally over the past two years has not been what it was," the Ritz Grill going and new projects like the glossy Hogarth in Victoria closing its doors.

General consensus about expense account spending is that there are two clear price levels within which a restaurant can operate. There is the £10 to £15 for two, with wine, operation which is now the bulk of the market, and then to £20-£25 area which is now fairly rare, tied off confined to perhaps two dozen eating houses in London and at the most two or three in each of the major cities around the country.

Again companies are very unwilling to discuss their attitudes to employee spending but the attitude appears to be "if Blenkinsop always clinches his best deals in the Mirabelle"

foreign businessmen for export purposes. There are two reasons for this. One is that this area of entertainment is still tax deductible, but perhaps more significantly the British businessman feels a need to treat his foreign client at least as well as his German, French or Italian contacts will play host and certainly as well as he himself has been treated when visiting abroad.

This means that you quite often get surprisingly successful, but patently high priced, establishments around the business hotel areas. Mayfair is an outstanding example as far as London is concerned. Lunch is not a particularly high spending time of the day for tourists, and yet the higher priced restaurants are busy.

Restaurants have held up in the changing circumstances rather better than many of them had expected. This is because most clouds have a silver lining of some sort. For restaurants this has been a considerable easing of the staff situation compared with two or

three years ago, and the fact that the clientele have proved more flexible in their eating habits that was once expected. Restaurants find it much easier these days to keep staff, thanks, of course, to the fact that there are fewer jobs around.

Flexibility in customer eating habits means that restaurateurs have found themselves able to woo clients to dishes that use the cheaper cuts of meat, or of

at the moment is one of the healthier sections of the market. But who cares about businessmen's entertainment habits, other than the businessmen themselves? Well, quite a lot of people. National Economic Development Council figures indicate that 10 per cent of all spending by ABs (in the social sense) in restaurants is reimbursed, and that a further 2 per cent is partially repaid. Among C2s the figures are considerably higher, with 12 per cent of spending repaid, and 6 per cent partially repaid.

Since these figures apply to all restaurant and licensed hotel meals in the country it must mean that in a great number of city restaurants expense account eating forms much the greater part, if not all, of the business. It is not difficult therefore to understand the alarm in the restaurant trade at even the hint that business lunches should be taxable as far as far as the people who enjoy them are concerned. If the NEDC figures are remotely accurate it would mean the decimation of much up-market restaurant activity in Britain, particularly in those areas which did not have an active tourist business. No one really believes that the British would continue to lunch out on such a scale if the expenditure was subject to tax.

What would happen on the other hand, is the continued rapid expansion of in-house catering. "The taxman would find it impossible to differentiate between the Boardroom lunch table, the executive club-room and the staff canteen, and I can't see a tax going on subsidised fish and chips," said one industrial caterer cheerfully.

It is these industrial catering groups, specialist agencies who claim to be able to do superior in house catering cheaper than companies can do it themselves, who would seem to be the main beneficiaries from the current changes in executive eating.

As far as the restaurateurs themselves are concerned they can only hope for better economic times, sympathetic bank managers, long hot summers and weak pounds to attract the tourists, and customers who do not notice that meat loaf (under a somewhat classier name) has replaced fillet steak as the dish of the day.

The fact that the bottom has fallen out of the wine market internationally has also helped the restaurant trade to keep its prices under some control. However, this abundance of relatively cheap wine has helped to encourage what is proving to be the lower-to-middle-market restaurants' worst enemy, the wine bar. As far as business entertainment is concerned this is serious competition indeed. Whereas in many business relationships an invitation to the local pub might have been seen as slightly insulting, an invitation that suggests "discussing it over a bottle and a salad" at the local wine bar has more of a cachet to it. The wine bars have filled the £4-£8 gap in business entertainment that has been filled by hamburger houses in leisure eating.

The growth of the wine bar trade in business areas has been considerable over the past 18 months. The figures seem to indicate that the traffic is being won almost entirely from restaurants, since the pub business



Wine bars have gained from companies becoming more conscious of the cost of business eating.

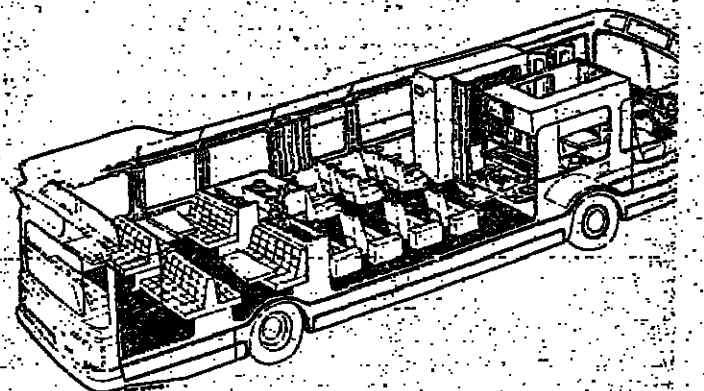
NATIONAL BUS

Business hospitality on wheels for £160 a day

INVITATIONS to buy a £160 bus ticket are now being received by the chairman of Britain's 200 largest companies under one of the latest ventures of the State-owned National Bus Company.

The bus ride on offer is not just any ordinary journey. Rather it is a day's use, including up to 150 miles of travel, of what National Bus describes as a "mobile executive suite."

This is a special version of the regular Leyland National bus built by a joint British Leyland-National Bus venture and it is operated by National Bus subsidiary, National Travel.



A line diagram (above) of the inside of the "mobile executive suite" conversion of a Leyland National bus complete (below) with hostess.

Meeting room

There have been executive coaches before, but possibly none so sophisticated as this vehicle which cost £40,000 to build compared with between £20,000 and £25,000 for the regular Leyland National buses, themselves built on a highly sophisticated system.

The additional money has been spent on producing a vehicle with 26 seats, 14 of them facing each other across small tables to provide what NBC calls a "meeting room." The remainder comprises three rows of individual armchairs, each with radio and television sound headsets and controls. At the front is a fully equipped secretarial area, and there is also a lavatory, including a vanity unit, and cloakroom and wardrobe.

Stewardess

The £160 charge is for a single week-day hiring — subsequent days and week-ends are cheaper—and a 50p a mile surcharge is payable for a journey of over 150 miles. Included with this are the services of a stewardess/secretary.

What will emerge as the size and type of market for the "Supernational," as the bus is called, is still a matter



for exploration, NBC admits it. In most cases, the firm went into the venture with a certain amount of foreboding. Hospitality suite-taking but now seems to have few party-to-day at the races, doubts that it will pay off providing the guests with a handsomely-helping maybe in drink and shelter while a small way to off-set the £19m. loss NBC made last year. One than business transportation mark of the initial success is has, however, been used, that the vehicle was originally example, to take a group intended to stay on the road potential factory builders for only a few months for one possible site to another evaluation purposes before going back to Leyland National for any necessary modifications.

That return visit has now been postponed indefinitely.

Names of users so far has one fore-runner, in includes the Central Electricity Generating Board, Firestone, Hess computer coach developer, H. J. Heinz, Twinings, GEC, by British Leyland two y Dunlop, Birds Eye, Fisons, and ago which is still in consult. While the BBC is using able demand, many of the

the Supernational as the link sign concepts incorporated in a series of variety shows the National Bus vehicle saw the light of day on that

Second bus

Whether a second bus be built is an open question, in be built is an open question, in

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ODEON LEICESTER SQ. 930 8111.
A SPECTACULAR EPIC SEE MARVIN ROSEN MOORE, ELEANORA PARKINS SHOUT AT THE DEVIL (A), Sat. 12.35, 2.35, 4.35, 6.35, 8.35, 10.35. All seats may be booked.

ODEON MARBLE ARCH 723 2011.
ONE FLEW OVER THE CUCKOO'S NEST (A), Sat. 12.35, 2.35, 4.35, 6.35, 8.35, 10.35. All seats may be booked.

PLAZA 1 & 2, Piccadilly, SW1 839 6494.
Sat. 12.35, 2.35, 4.35, 6.35, 8.35, 10.35. All seats may be booked.

2 ALFRED ALFORD 123 5400, 8.15.
Only 1.30, 3.12, 5.40, 8.15.

PRINCE CHARLES, L.P. 637 8181.
2nd Year, The 7th and Only Original EMMANUELLE (A), Sat. 12.35, 2.35, 4.35, 6.35, 8.35, 10.35. All seats may be booked.

SCENE 1, 2, 4, L.P. 511 (Wardour St.) 439 4470.

SCENE 2, Cont. pers. div. 12.30. Late show Fri. & Sat. 11.55. Redford/Hoffman ALL THE PRESIDENTS MEN (A), Sat. 12.35, 2.35, 4.35, 6.35, 8.35, 10.35. All seats may be booked.

SCENE 3, Cont. pers. div. 1.00. Late show Fri. & Sat. 11.55. All Pacific DOG (A), Sat. 12.35, 2.35, 4.35, 6.35, 8.35, 10.35. All seats may be booked.

SCENE 4, Cont. pers. div. 12.55. Late show Fri. & Sat. 11.55. JAWS (A), Sat. 12.35, 2.35, 4.35, 6.35, 8.35, 10.35. All seats may be booked.

WARNER WEST END Leicester Square, Tel. 439 0791.

1. JANE DOE EAST OF EDEN (A), Sat. 12.35, 2.35, 4.35, 6.35, 8.35, 10.35. All seats may be booked.

2. REDFORD/HOFFMAN ALL THE PRESIDENTS MEN (A), Sat. 12.35, 2.35, 4.35, 6.35, 8.35, 10.35. All seats may be booked.

3. STANLEY KUBRICK'S SHYNNY O'NEAL MARISA BERENSON (A), Sat. 12.35, 2.35, 4.35, 6.35, 8.35, 10.35. All seats may be booked.

4. THE SWISS CONSPIRACY (A), Sat. 12.35, 2.35, 4.35, 6.35, 8.35, 10.35. All seats may be booked.

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A major London-based commercial bank wishes to appoint an Assistant Accountant to take responsibility for the day-to-day accounting of the bank, reporting to the Chief Accountant for whom he/she will deputise on occasions. Familiarity with accounting in foreign currencies, management accounts, Bank of England returns, Eurocurrency loans and banking documentation are all relevant. The successful applicant will be aged over 26, educated at least to "O" level, and ideally having progressed towards banking or accounting qualification.
Contact: Sandra McCredie

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Contact: Kenneth Anderson (Director)

Jonathan Wren & Co. Ltd. 15 Fish Street Hill, London EC3R 6BP. Tel. 01-623 35051.

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Actors Company,
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Ambitious young person required to augment recently established Eurobond department at the London office of a major American syndicator. Candidate should have experience of Primary and Secondary market activities including knowledge of excellent procedures. Salary in accordance with age and experience.
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The Manager,
DREXEL BURNHAM & CO. INC.,
Winchester House, 77, London Wall,
London, E.C.2.

DREXEL BURNHAM & CO. INC.,
Winchester House, 77, London Wall,
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COMMODITY Executives wanted, Charterhouse Appointments, 01-535 2377.

PUBLIC NOTICES

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It is proposed to issue new Certificates to replace those described below that are stated to have been lost or destroyed. Anyone possessing the missing certificates or objects to the issue of new ones should at once notify M.M. Land Registry, Lincoln's Inn, London, W.C.2A 3PS.
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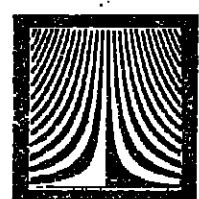
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The Technical Page

EDITED BY ARTHUR BENNETT AND TED SCHJETER

● MATERIALS

Test service for superconductors

WORK ON superconducting materials and devices made from them, which have vanishingly small resistance to electric currents at temperatures close to absolute zero, will be helped by the decision to make the Rutherford Laboratory a centre for test procedures, open to industry and research workers.

The Science Research Council decided to make this move because of the closure of high magnetic field facilities—based on conventional magnets—at Royal Radar Establishment, Malvern.

Two superconducting magnets are available at Rutherford. One uses a niobium-titanium alloy solenoid of 85 mm. bore producing fields up to 9 Tesla. The second is built up from niobium-titanium filamentary material and can provide 10.5 Tesla fields in a 30 mm. bore. During the summer, a third and fourth superconducting magnet will be available for services, producing 12 and 15 Tesla respectively.

Initially it is expected that users will be concerned principally with the determination of the critical superconducting current level of a specimen,

that is the level below which the superconducting condition is sustained, and its variation with applied magnetic field.

Other facilities for experiments outside this area will nevertheless be made available. Filamentary niobium-titanium is a superconducting compound developed as a result of efforts by Rutherford, the AERE and other laboratories. It will remain superconducting at much higher fields than conventional niobium-titanium and is produced by a metallurgical technique that overcomes the problems normally caused by the brittleness of the alloy.

It will be possible to test samples of materials under stress and to pulse the applied magnetic fields.

Interest in superconducting magnets and power lines has not developed in the U.K. as fast as it should bearing in mind the vast potential improvements in power/weight ratio or power carrying capacities the phenomenon offers.

Rutherford is at Chilton, Didcot, Oxon. Abingdon 21800.

deposit ranging from 0.00025 to 0.0015 inch, in a single operation. Deposition chambers of almost any size can be constructed. Those currently in use range from 500 to 28,000 cubic inch capacity.

Parts up to 5 feet long by 18 inches high have been coated. At the other end of the scale a heel (even to the hairs on its legs) has been coated for a natural history museum.

In the U.K. the dimer and licences for the equipment are marketed by the company's subsidiary, Bakelite Kynline, R Stratford Street, London W1A 2LR (01-629 8100). Ferranti has taken the first U.K. sub-licence. BXL is also operating a custom coating facility at its Tyeley, Birmingham, factory.

Plastics to last longer than paper

DEVELOPED BY Du Pont in the U.S., fibre-based polyethylene sheet is marketed in the U.K. by Wiggins Teape Paper, P.O. Box 58, Basing View, Basingstoke, Hants, RG21 2EE (0256 20262).

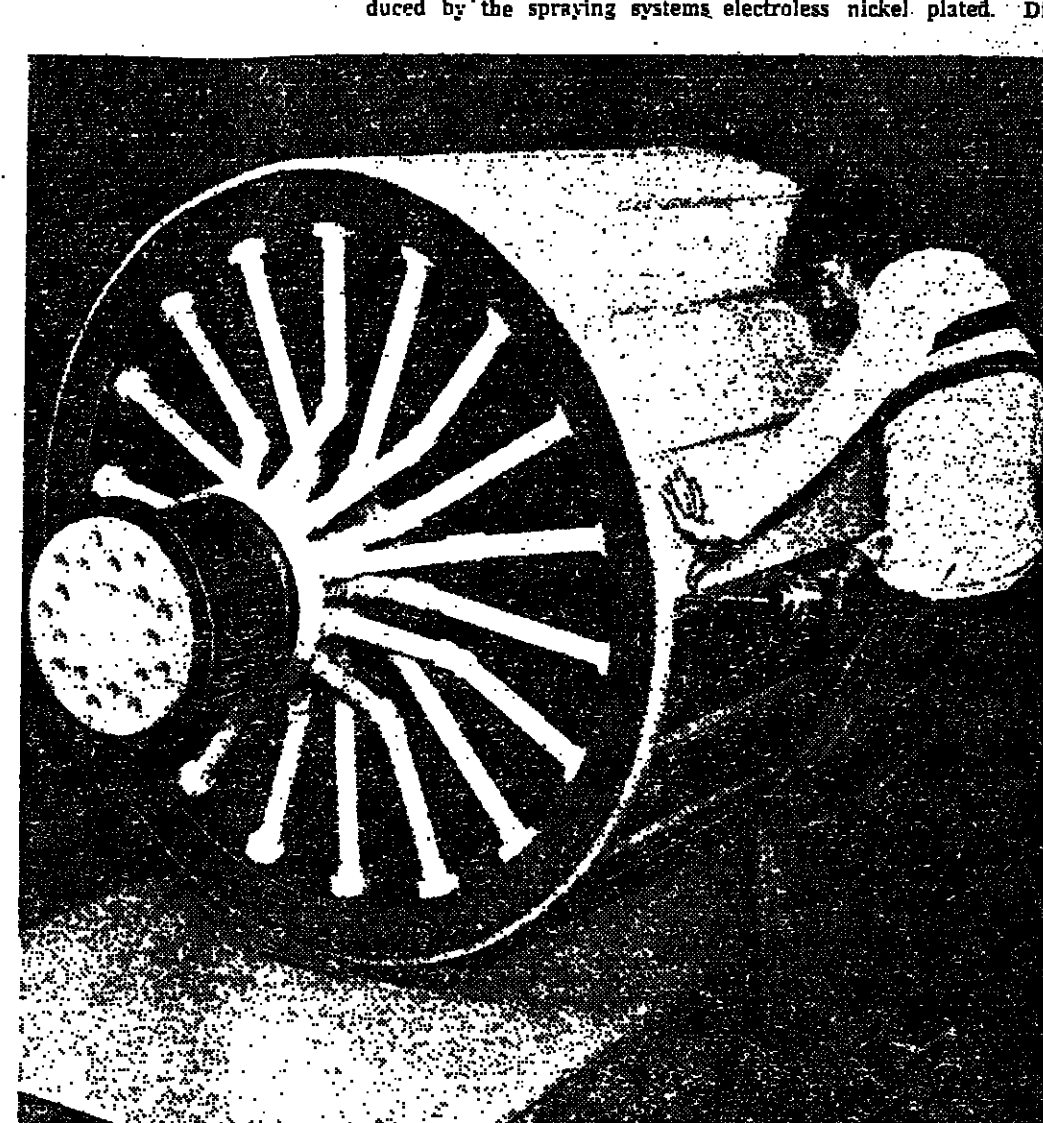
Called Tyvek 10, it is a paper-like product but with characteristics which make it more suitable than paper for certain applications. It is tear and burst resistant with high fold endurance and dimensional stability, wet or dry. It also resists acids, alkalis, water and rot. It can be printed by litho, letterpress, gravure and most conventional printing processes, using inks specially developed by a number of ink manufacturers.

Typical applications include tags and labels, signs and banners, maps and charts, and any product subject to heavy handling.

It is available in seven different weights, from 33 to 110 g/sq. metre, ranging in price from 15p to 36p/sq. metre.

Although available in the U.K. for three years the material has only recently created much interest in the industry. Wiggins Teape, exclusive agent for the U.K., reports that imports of Tyvek (in reels) are now running at about 10 to 15 tons/month.

By agreement between the Financial Times and the BBC, information from The Technical Page is available for use by the Corporation's External Services as source material for its overseas broadcasts.



Polypropylene was chosen as the material for the drum filter shown here because of its excellent resistance to corrosive chemicals. The drum itself was specially fabricated by Plastics Construction (Northern) at a works in Bolton and it was decided to use the polypropylene as the external face of the laminate, the drum being reinforced internally with grp. Stockdale Engineering, which built the complete unit, selected Celmar, the tough polypropylene/glass fibre laminate from British Celanese, as the material for this vacuum filter for low weight and robustness. More details from Plastics Construction on 021-773-1331.

● RESEARCH ICL project could lead the world

SINCE ICL's plan for a large original conception in 1969 and the first proposals put up by its originator, Dr. S. Reddaway of ICL in 1973, in part, as the result of suggestions by John Liffie, the DAP is no longer a stand-alone, processor/memory system. Much more emphasis now is given to embedding it into a conventional store within a 2900 Series machine (2960/3070). In this it differs both materially and in its use from the U.S. array machines which are all purpose-built and require unique operating software.

This concept, of course, has immense advantages. It puts the DAP into a new and special class, turning it into a powerful element of a conventional system, one which relies on the host system for systems support, input/output and supervisory software. It is interfaced to the host system by a controller which broadcasts instructions, addresses, etc. By embedding the array in this fashion, both array and host can be working simultaneously on separate problems.

At the end of the road, this ICL concept may well be the basis of "the large European built computer" which can wrest the dominance they have over high scientific computing. What is more, ICL seems likely to be able to do it quite cheaply. Specialists talk of a machine with four times the power of a CDC 7600 and costing less than £1m.

ICL is projecting arrays of 128 x 128, and 256 x 256 PE's, the last of which should have a total store of some 8 Mgb, and which would give a power of 40 to 80 times the CDC 7600.

The project itself has not changed that much and successes achieved with experimental arrays to date are such that the U.K. work should have a future, provided a user for a really big multi-processor can be found.

Pilot equipment is an array of 32 x 32 processing elements (PE), each with 1k bits of store arranged in 16 PE's and 16K of store to a card.

A complex mathematical matrix job done at the start of this month took less than 25 milliseconds, which gives an equivalent in MIPS (Million Instructions Per Second) of 20. By contrast a CDC 7600 working on this sort of problem would be rated in the 10 MIPS class.

The project is in the hands of ICL's Research and Development Organisation at Stevenage. It is supported by the DOR's Advanced Computer Technology Projects programme on the usual basis in which the company and the DOI each pay half of the development costs on a fixed price, fixed term basis.

The decision now to be made concerns the level of future funding and whether or not ICL should go on to build an experimental version with a 64 x 64 array, which would give 4096 PE's, each with 4K bits of store.

Though the project is said to have almost everybody's blessing, the DAP is controversial within the computing community, not least because it means that many people would have to change some very basic ideas. There would be a need for major software conversion were it brought into use.

Outside the obvious areas of weather forecasting, and big financial models requiring the processing of similar data arising from many points, there is controversy as to the possible users. The Department of Industry has commissioned an applications and comparable technology survey from PA Management Consultants.

This in itself was open to some query as the only real knowledge of array machine problems lies in the U.S. The report has now been presented to the DOI, and it is said, solves nobody's problems. PA's initial version, it seemed, did not fully understand the DAP's performance potential, while the possible users it turned up were in favour of experimental array machines in principle, but were also mostly in general agreement that "some-one else should be the first to prove its practicability."

Part of the trouble also seems to be that some possible users are not quite sure of the level of corporate support that ICL will give the development. Not forgotten even now is the dithering over the large European Computer Project of the late sixties and early seventies, and the disastrous 1968 large machine episode.

The DAP has evolved since its

● COMPONENTS

Remote control

FOR SPRAYING and other fluid handling applications operating at pressures up to 85 lb/sq. in, a remotely operated on/off control valve has been introduced by the spraying systems

division of CT (London), 3 Hobart Place, London, S.W.1.

Directvalve, Model 144, is in 30 lb/sq. in. with only a 3 psi solenoid operated, powered by pressure drop. For higher flows, or where selective control design of the internal flow chambers enables the unit to handle wettable powders. The valve body is polypropylene, internally metal parts are stainless steel, and other metal surfaces are epoxy coated or electroless nickel plated. Dia-

phragms and seat washer are in chemically resistant rubber. The valve can handle flows up to 30 gpm.

Clamps to simplify assembly

ANY MEANS to simplify complex assembly jobs and reduce the amount of manual intervention needed to put together intricate engineering equipment should be welcome in industry.

In this category of aids to speed up manufacture comes the Hymatic range, originally developed for the aircraft industry, but now extended to cover many types of industrial equipment.

It covers a series of coupling types—V-clamps, band clamps, etc.—which require a single nut and bolt to secure tubing or piping to components of such things as compressors, rather than using flanges with many through bolts, or a series of swing bolts.

The range of V-clamps runs from 1 to 30 inches (25mm to 750mm) and they will handle conditions from vacuum to 8,000 psi (530 bar). Other applications can be considered and for this the company will provide an advisory service.

Clamps of this type are employed extensively in advanced military and civil aircraft. They have now been ordered in large quantities in Britain and Germany for the assembly of turbochargers subjected to a large amount of vibration.

Further details from Hymatic at Glover Street, Redditch, Worcestershire B98 7BQ. Redditch 63621.

● COMPUTERS CDC moves towards networks

A HIGH-SPEED central computer, that distributes the processing of system information through a network of 10 to 30 smaller computers has been announced by Control Data Corporation.

This new distributed processing system, called CYBER 70, Model 71—is intended to handle both batch processing and time-sharing applications, and can support a network of up to 500 simultaneous remote terminal users depending upon system resources required. Primary targets for the replacement of larger General Electric

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and Xerox time-sharing system

especially in university and engineering/scientific applications but big DEC, Univac and IBM installations are also here.

A basic CDC CYBER 71 computer with 65,000 words of memory and 10 smaller processors can be purchased for £180,000 or leased for £4,000/month on a 3-year contract.

Either one or two central processors can be included in the CYBER 71 system, and each processor features 24 registers divided equally among operand, address and instruction. Memory protection and error checking are provided by additional registers.

Instructions are handled on a register-to-register basis that suits in issue rates of 1.2m/second with a single processor and 2m/second in a two-processor configuration.

CDC operates from 225 James's Square, London, S1 (01-930 7344).

● PROCESSING Zinc coating at lower temperature

IMMERSION ZINC phosphating is usually carried out at 100 degrees Centigrade. Bonderite 159 process can operate at 70 degrees Centigrade and still give applications down to 25 degrees Centigrade, without loss of performance. The lower temperature saves energy in zinc phosphating is applied to iron and steel to inhibit rusting and increase the adhesion and durability of subsequent paint finishes.

Bonderite 159 is supplied as a liquid to be added to water at a rate of 53 litres/1,000 lb. The maker says the lower temperature operation is achieved by the use of a special additive which is added to the working solution at a rate of 42 kg/1,000 litres. The phosphate coating is applied about 5-10 minutes, when a solution has reached working temperature, 70-75°C, to give a phosphate coating of 0.5 to 1.0 microns.

The continuous immersion zinc phosphating process is achieved by the use of a special additive which is added to the working solution at a rate of 42 kg/1,000 litres. The phosphate coating is applied about 5-10 minutes, when a solution has reached working temperature, 70-75°C, to give a phosphate coating of 0.5 to 1.0 microns.

COMPANY NOTICES

AFRICAN AND EUROPEAN INVESTMENT COMPANY LIMITED (Incorporated in South Africa)

NOTICE TO MEMBERS OF PREFERENCE SHARES

NOTICE IS HEREBY GIVEN that the 10th Annual General Meeting of the Company will be held on 16th June 1976, at 10.00 a.m. at the Company's Registered Office, 10, Abchurch Lane, London EC4N 3DF.

By Order of the Board
J. M. SHAW, Secretary

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SNIA

Building and Civil Engineering

Work rolls in for Wimpey

THREE housing contracts worth over £1m. have been awarded to Wimpey in Scotland.

The largest of the contracts, at Meethill Road, Peterhead, comprises 303 single and two-storey dwellings.

The second contract is a 170-house development in the Aikens area for Aberdeen City District Council. Like the Peterhead houses, these will be built in no-rains and are selected from the same range of metric houses.

The third job is in Livingston New Town and is an extension of a contract for a further 228 houses at Dedridge.

In Leeds, Wimpey is about to start on a £1m. houses and flats

contract at Pepper Lane, Hunslet Road while down in the south of England, Wimpey is working on a £776,000 contract for 85 dwellings at Orchard Close.

Overseas Wimpey seems to be equally busy. The Municipality of Dubai in the United Arab Emirates has awarded a contract to Al Fattaim Wimpey, Dubai, for the construction of dual carriage-way roads to link Dubai International Airport, via the Al Carhoud Bridge, which is now nearing completion, with Port Rashid.

Worth over £6.8m, the contract involves construction of 17 km. of dual carriage-way roads comprising ten metre wide roads with a ten metre wide central

reservation and two and a half metre wide footpath. The work includes construction of embankments, roadways, sidewalks, drainage, kerbs, and traffic light systems. Consulting engineers for this contract are Renardet-Sauti, Rome. Work is due for completion by the end of this year.

In Iran a new company, Wimpey Laboratories-Iran SSK is being formed to take over Wimpey Laboratories' work. The company, which is jointly owned with Tehran Berkeley Engineering and Sounding Co. will undertake geotechnical and geological investigations, hydrographic and geophysical surveys and materials testing.

pitched roofs and will comprise which was completed to the 25 months programme.

The building is a concrete frame with built-up floors, and it is clad externally mainly with pre-cast panels with brick end panels and hardwood window frames with lead cladding panels. It is partially air-conditioned, ventilation generally being conducted through perforations in the metal tray suspended ceilings.

Different types of laboratory are housed in the extension and involved installation of extensive and complex services. Architects for this project were Percy Thomas Partnership, the quantity surveyors J. E. Symonds and Partners and the structural engineers were E. W. H. Gifford and Partners.

BALFOUR Kilpatrick has been awarded a services sub-contract valued at over £1m. for work at Seal House and Fishmongers Hall, City of London.

The sub-contract, which includes heating, ventilation, air conditioning, plumbing and sanitation, piped services, electrical installation and fire protection, is due for completion in January 1978.

The architect is William Holford and Partners and the main contractor Sir Robert McAlpine and Sons.

£1m. City award

WILTSHIRE Construction has completed a four-storey extension to the main research building of Pfizer at Sandwich, Kent, in time for the official opening tomorrow by Professor Sir Arnold Burgin, Director of the National Institute of Medical Research.

The £2.3m. building provides about 69,000 square feet additional accommodation for research laboratories and administration offices and was an extremely complex contract

Cubitts busy in the Midlands

HOLLAND Hansen and Cubitts (Midlands) is to start work soon on four contracts valued at almost £1.5m. for extensions to two educational establishments, a housing development, and a housing modernisation scheme.

At Quorn, Leics., it will carry out extensions and conversions to the Rawlins Community College at a cost of £370,000. Two two-storey blocks will be built one in load bearing brickwork and blockwork, and the other of steel frame construction.

A single-storey science and design block of traditional construction and a part single-part double-storey combined administration building and adult centre will be built at the Upper School, Lutterworth, by Cubitts. The administration section of the split-level extension will be of steel frame construction and the two-storey portion will have a reinforced concrete frame. Value of this contract is £514,000. At a cost of £400,000 the

Wall finish defeats the vandals

A LAMINATED multi-colour wall finish, costing between £1 and £2/square metre, and claimed to be so tough and glossy that vandals find it extremely difficult to damage or write on, has been introduced by Lamares, Cold Bath Road, Harrogate, Yorks. (0433 68656).

First a coloured base coat (a variety of bright shades is available) is applied with a roller—this is incorporated in the base resin ensure that it does not run or sag. While the resin is still tacky, an electric blow gun is used to spread lightweight coloured pva flakes (many colour combinations are included) over the wall. The flakes stick to the resin and the roller is used to embed them.

In a few hours, when the base coat is firm, the surface is sanded with a hand block to make sure no flakes are protruding. Two further coats of resin are then rolled on to seal the flakes under a hard, glossy coat. While the coat is flexible and will not crack, its adhesion is stated to be high (1900 psi to mild steel). Final thickness of the finish is between 300 and 500 microns.

Power unit for breaker

HYDRATOLS concrete breaker, already known as a plug-in unit operating from existing hydraulic circuits on contractors' plant, now has a compact power unit to go with it, developed by RV Hydraulics, South Marston Works, Swindon, Wilts. SN3 4RA. (079382 3241), a Vickers subsidiary.

The HydraPac power unit is driven by a single cylinder engine, can be carried by two men, measures 23 x 25 x 30 inches long, and needs no special vehicle for transport. A detachable undercarriage fitted with two puncture proof rubber tyres

Big housing scheme

WILLETT Houses (Trafalgar House Group) has begun a major development in Winchester, Hants. Over the next eight to ten years it aims to provide 1,000 new houses at Badger Farm on land sloping south west of the city.

At Horsham, Sussex, Willett has just completed a multi-storey car park, shops and offices under a £3m. contract from the Norwich Union Insurance Group in conjunction with Horsham District Council.

Automated design progresses

THE DUTCH Ministry of Transport and Water Supply, the Rijkswaterstaat, has concluded a three-year agreement with Genesys for a sum of over £100,000.

During the three years, Rijkswaterstaat, in co-operation with Genesys, will be continuing the development of structural and civil engineering subsystems and enhancements to the system. The Rijkswaterstaat, as a result of this agreement, will have exclusive rights to market Genesys in Holland.

Software specialists in the Netherlands are already contributing much new material to the Genesys concept and some of their subsystems are now being marketed internationally by the company.

This three-year agreement, following on the first, which was concluded in 1973, confirms an official Dutch commitment to the British-developed automated design system for the civil engineer.

Genesys, Pennine House, 2 Lemington Street, Loughborough Leicestershire LE11 1XA (0509 39185).

Warehouse in Spain

ONE OF the largest steel-framed warehouses in Spain is being built in Barcelona to provide 17,000 square metres of storage for BASF AG.

To achieve the required height of 14 metres, a Corder portal frame design is being used by Construcciones Thomas Sala (Corder, licensee in Spain). Corder's computer programming services were used to produce a specification for the structure. When completed, three spans will be 176 metres long and one 143 metres long.

Active in Inverness

OVER £1m. worth of work has just been started by G. R. Stuart Construction in Inverness. Included is Stratherrick primary school, Gorthleck for the Highland Regional Council (£104,000), modernisation of 40 flats at MacEwan Drive and Bruce Gardens for Inverness District Council (£129,200) and modernisation of 102 houses at Maxwell Drive and Lindsay Avenue for the same council (£279,500).

Keeps them moving

A PASSENGER conveyor linking ground and first floor sales levels as well as a roof-top car park has been installed at London Co-op's new store at Wood Green, London, by Marryatt and Scott. Each of the four 32 metres long units involved is capable of moving 7,000 people an hour, claims the company.

Over £6½m. worth for Howard

FOLLOWING its completion of flood prevention work at Ebbw Vale, the Greater London Council, the John Howard Group is now to undertake a further contract for similar work at Woolwich. Value of this contract is £2½m.

Howard has also won a £2.3m. contract for the construction of a new quay for the British Transport Docks Board at Southampton.

The group's subsidiary, John Howard and Co. (Northern) has won a contract for the partial replacement and complete reconstruction of a 1,665,000 sq. ft. sewage treatment works at Weaverham, near Northwich for the North West Water Authority.

Bowey not short of work

CONTRACTS worth £1.5m. have been won by the Bowey Group. The Group's main building company Ralph Bowey and Son is to carry out a £460,000 housing scheme at Thompson Road, Sunderland for the Chester Housing Association, while three advance factories are to be built at Victoria Road, Hebburn, South Tyneside, for the English

Order from Middle East

Orders gained by four other members of the Group bring the total to the £14m. mark.

WYSEPLAN has won its largest ever single export order from the National Iranian Oil Company.

The £335,000 order covers the supply of 12 fully finished aluminium skin "knockdown" temporary accommodation units which together will create residential and office complexes on new sites in the Persian Gulf for NIOC personnel.

Wyseplan has manufactured 30 fully equipped living units with bedrooms en suite, 50 office and administration units, three can-

Homes and factory contracts

JOHN LAING Construction, has secured its fifth housing contract in the South Benwell redevelopment area of Newcastle upon Tyne.

The £1.5m. contract is for the construction of 171 dwellings for the Newcastle upon Tyne Metropolitan City Council. The dwellings are to be built at Isabella Street adjacent to the company's contracts in Buddle Road (finished last year) and Amelia Street (due for completion in October).

As before, the two- and three-storey dwellings will be of traditional brick construction with

IN BRIEF

● Ernest Ireland (Contractors) has secured contracts worth over £21m., including a boiler house at Devonport Dockyard, mess room and workshops at Warrington, and a block at Plymouth Polytechnic.

● At Teesside, Capon Bridge, Alexander Hall and Son (Builders) is to erect 300 two-storey terraced blocks of houses, under a £387,000 contract from Kees and Cromarty District Council.

● Erection of 16 flats in four-storey blocks worth £150,000 is in progress at Bromsgrove Road, Studley, by David Charles Construction, for the Spiral Housing Society.

● In Weston Favell Road, Northampton, J. A. Elliott is building a £1m. four-storey office block for Diversy.

● To be completed by November, work has begun on a £556,000 contract to extend

herthing facilities at Sheerness Docks for Medway Port Authority. Contractor is Costain Civil Engineering.

● Construction of 51 flats has been started at Parkhill, Moseley, under a £415,060 contract awarded to Wates (Birmingham) by the Bromford Housing Association. The contract covers two three-storey blocks and is due for completion in January 1977.

● The contract for a new community centre at World's End Place, King's Road, Chelsea, London, has been awarded to Bovis Construction. It is worth about £245,000.

● Croxson Builders, W. J. Simms Sons and Cooke (Southern) has won a contract worth nearly £1m. for 78 flats and maisonettes on four sites in the Southwark area. The negotiated contract, awarded by London Borough of Southwark, will take two years to complete.

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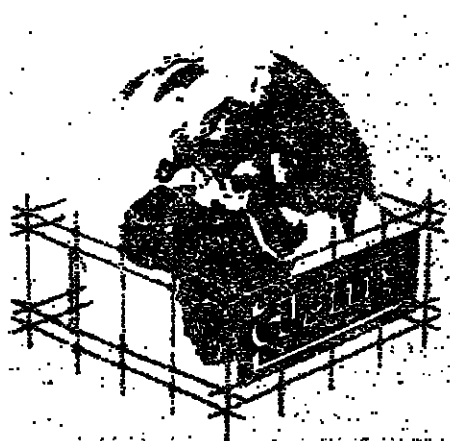
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IRAN

After two years of startling expansion, Iran is having to accept that there are constraints on growth in the face of slack oil demand. The gap between rich and poor has widened, and the Government, anxious above all for stability, is confronted with severe social problems.

Reality clouds the vision

By Robert Graham
Middle East Correspondent

THIS TIME last year the boom atmosphere in Tehran was just beginning to fade. The full extent of the physical constraints on growth were appearing and it was being realised, albeit slowly, that time was needed to digest two years of unprecedented expansion. But few could have foreseen the remarkable change which has occurred in the country over the past 12 months. The questions of Iran's resources matching up to ambitions were only vaguely posed; now they are seriously asked. The prospect of Iran going to the international market for substantial borrowing seemed two to three years distant; but it has happened already, due to overspending and unexpected revenue shortfalls from lower oil sales. Coming to terms with these realities has not been easy because it touches on that prickly area of national pride. As yet there has been little hint of overall objectives being altered, or Arabia wants, it is difficult to oppose. This was evident at the Shah, who is celebrating September OPEC meeting in this year the 50th anniversary Vienna and was confirmed last

of the Pahlavi dynasty, still remains committed to the concept of the "Great Civilisation." He sees Iran rapidly joining the ranks of the industrialised nations and by the 1990's becoming the world's fifth industrial power: a position achieved through maximum utilisation of oil revenues and employing the latest technology. This vision really did catch the imagination of world leaders. It was stated with such conviction and it came at the time of the quintupling of oil prices in 1973, the sudden emergence of the power of OPEC and the beginnings of recession in the west. Then the idea—coming from OPEC's second largest producer, and a non-Arab country friendly to the West with seemingly limitless revenues, seemed attractive. But international circumstances have changed.

Reasoned

The consumers have adopted a more reasoned view of the strength of OPEC. The prospect of an oil embargo has been replaced with a tentative "dialogue," which embraces the wider aspect of relations between developing and developed countries. Oil has proved sensitive to market forces. Iran has had to follow its Gulf neighbours in twice cutting the price of its heavy crude in the past four months, and, to make its own direct sales, has had to offer substantial discounts. For those producers like Iran who need OPEC as a cartel to push up prices, the message has been little hint of overall objectives being altered, or Arabia wants, it is difficult to oppose. This was evident at the Shah, who is celebrating September OPEC meeting in this year the 50th anniversary Vienna and was confirmed last

month in Bali where Saudi insistence on a price freeze until the end of the year was accepted.

The effect of slack international demand on Iran's oil-based economy has been dramatic. Foreign receipts in the year ended March 21 increased by 2.8 per cent, while imports increased 48 per cent. Receipts should rise again as the west moves out of recession and the oil price goes up next year. But as a trend receipts are likely to level off while import demand continues to grow, and the authorities cannot again afford to indulge in spending in the manner of the previous two years. Moreover by seeking to develop so quickly, the cost of development has been accelerated through demurrage, distribution delays, and higher wages, to say nothing of the foreign businessman trying to squeeze maximum profit.

The Iranians feel piqued at the way their economic problems have been presented in the international Press, and there is a deep sense of hurt at the change from laudatory articles on the Iranian "miracle" to descriptions of economic shambles with allegations of torture thrown in for good measure. However, the Shah has set Iran very high standards and by these standards it is judged. Iran's development plans are full of sound aims, but they are often wrapped up in impractical prestige projects. Stripped of these it would not be difficult to say that Iran, despite its current economic problems, is doing as well as if not better than other developing countries at similar stages of evolution.

The doubling of the plan was viewed in economic terms. The sole political party, the Rastakhiz (Resurgence) Party, more a wish fulfilment than a

realistic exercise. Now it on education and social development, geared towards producing an affluent middle class and a well-fed, contented labour force. In fact political considerations weigh strongest. The contravention of the party's own policy of making manufacturing companies divest 49 per cent of their shares to employees and the public is designed primarily to fulfil two functions: to prevent an undue accumulation of capital and of economic power in the hands of the industrialists and to buy the participation in real decisions. But in the countryside the party same considerations lie behind the Ministry of Labour's policy of sympathising in wage matters with employees, so much so that strikes (which are illegal) have begun to occur when in the past three months the Government has ineffectively sought to implement a wages policy.

Gamble

Longer-term doubts must exist about the ability of Iran's industry to compete in the export field, which is after all, the real aim of the Shah's gamble. Iran has opted in a big way for capital intensive and energy intensive industries like petrochemicals, steel and aluminium. But it must compete against its Gulf neighbours who are doing or going to do the same. In manufacturing the likely competitors in low and medium technology products are India, Pakistan and Turkey—all of whom have much lower wages than Iran. Wages in Iran have increased on average 30 per cent per annum over the past three years. Meanwhile, agriculture remains the Cinderella. The big foreign ventures in Khuzestan have run into difficulty and productivity is low, creating a foodstuffs import bill of \$1.5bn.

But everything cannot be absorbed the energies of the public view, unpleasant truths, and not to take responsibility. Rastakhiz (Resurgence) Party. Both factors have been in large

measure responsible for the feeling of drift in the country to-day and the inability to take the necessary measures to restore confidence. Not since the Mossadegh era has so much capital left the country. The impact of an active urban guerilla movement is hard to gauge. At least 40 guerillas have been killed in shoot-outs with the security forces this year. There have also been a number of bombing incidents including some unpublicised bombs in Tehran cinemas. The level of guerilla activity is probably no greater now than in previous years (unusually it seems to occur mainly in the spring). The authorities have chosen for the first time to publicise it. Support allegedly comes from Libya and the PFLP.

The guerillas seem no more than an irritant at the moment which the Shah can absorb, although their presence means that he surrounds himself with tremendous security measures and can never risk coming close to the people. This is left to the Empress who appears to be genuinely popular, presenting the "human face" of a severe monarchy in her country-wide tours. The Shah himself is taking an increasingly Olympian stand, and, according to some, is in danger of being isolated from the feelings of his people.

Where the Shah has to step warily is in relation to traditional interests. Religion is still easily offended in Iran—as it was when it was decided three months ago to adopt a new "monarchy" calendar based upon the reign of Cyrus the Great 2,500 years ago. So, too, are the interests of the bazaar. The Commerce Minister, Mr.

Both the anti-profiteering campaign and the drive against corruption the party has been used as a sort of vigilante organisation, with students, for instance, sent out to check supermarket prices. The party itself has yet to find a real direction after 15 months' existence. In the towns and among the educated classes it had run up against a barrier of cynical indifference, with only a few believing that it offers the chance of greater participation in real decisions. But in the countryside the party has had more impact, perhaps largely because it has been seized as a means of making the Government pay more attention to rural needs and deliver on its promises of decentralisation.

Fear

The party's greatest problem is to overcome a general fear of becoming involved or committed. This problem too on a broader level faces the monarchy in stimulating a sense of national participation. The desire to stay out is an inevitable consequence of a tough all-pervading police state apparatus which is over-eager to interpret dissent or criticism as disloyalty. And Iran does have such an apparatus in the form of Savak, which has acquired a reputation for cruelty, repression and torture. Iran is a country where the rewards for those who support the status quo are very high, but, conversely, the punishments for those who oppose it are great. This sort of atmosphere encourages people to hide, at least from the public view, unpleasant truths, and not to take responsibility.

Both factors have been in large

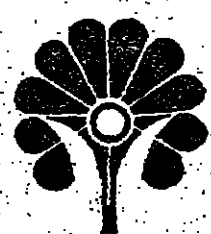
BASIC STATISTICS

Area	636,296 sq. miles
Population	33m.
GNP (est.)	\$47bn.
Per capita (est.)	\$1,400
Trade (1975)	
Imports	IR743bn.
Exports	IR1,351bn.
Imports from U.K.	£494m.
Exports to U.K.	£701m.

Currency: Rial
£1=IR133

Fereidoun Mahdavi, was forced to step down in effect because his policies of modernising distribution and controlling profits ran against traditional oil interests. But the latter interest groups are bound to be sensitive to the process of modernisation which is transforming the country. Indeed, considering the changes Iran has absorbed them remarkably well.

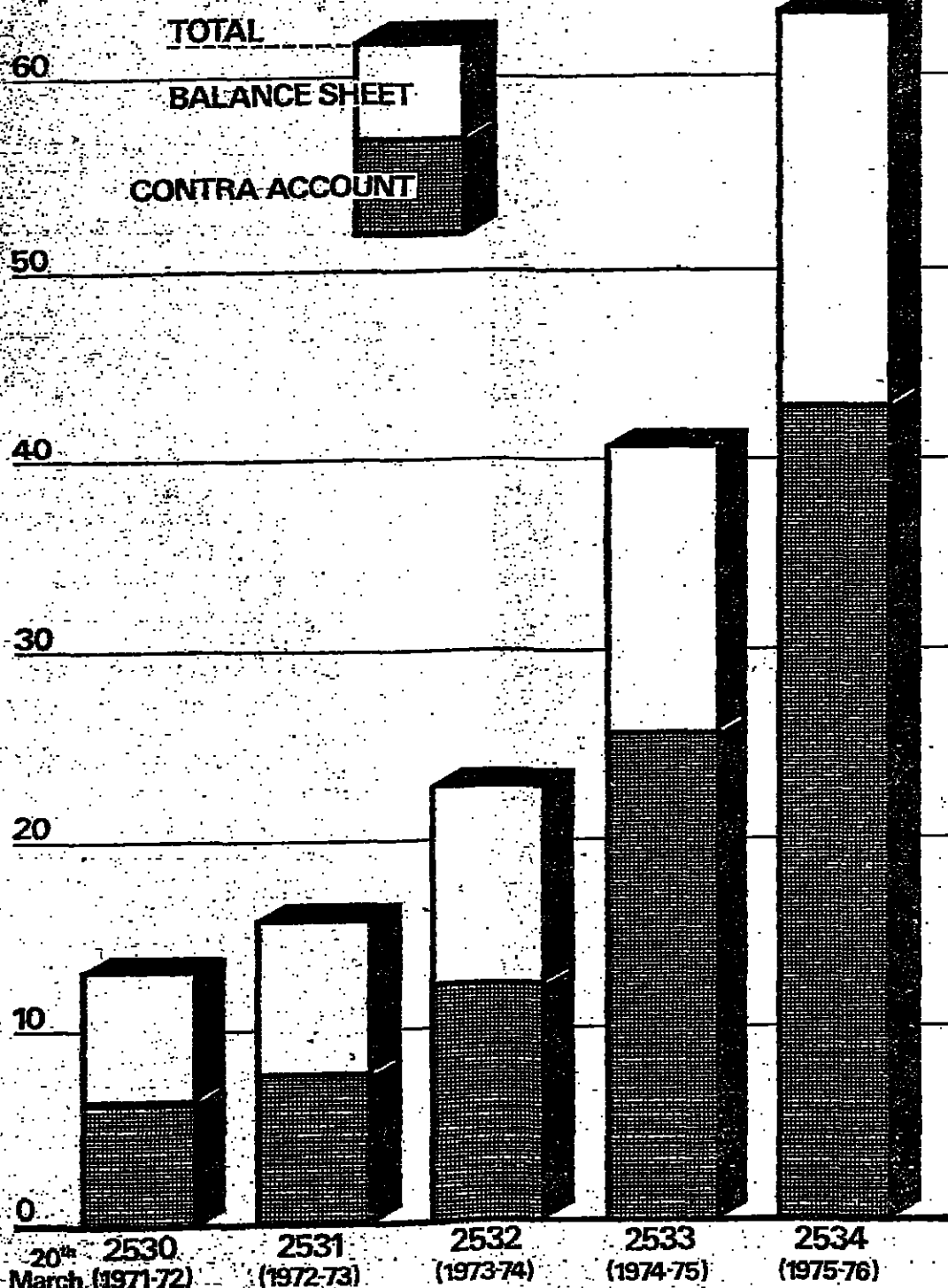
Progress since the 1973 oil price hike has been phenomenal, and it is all too easy to forget in Tehran that over 50 per cent of the population is still illiterate, that there are hundreds of villages without piped water, that money is borrowed in the villages to go on the Hajj rather than invest in agriculture. But if such situations are to be changed, then more attention has to be directed to agriculture, something which does not have the glamour or prestige of large-scale industrial projects but which in the long term is socially and economically much more viable.



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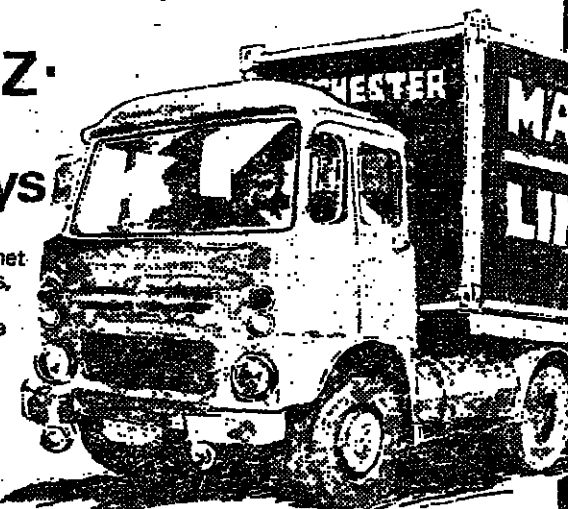


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Over the past year Iran has become well
aware of the dangers of a narrow economic base.
Production and distribution bottlenecks have arisen, inflation
has reached a high level, and attempts to establish a wider
industrial base have moved more slowly than intended.

The economy

JUST AS the rise in oil prices in 1973-4 showed the strengths of an oil-based economy, so the slack international demand for the commodity over the last year has exposed the weaknesses. The exceptionally high growth rates in Iran which followed the escalation could not have been sustained indefinitely without severe distortions to the economy. This was clear enough last year as bottlenecks arose from manpower shortages, port congestion and poor distribution; and inflation reached unacceptably high levels. But the slowdown set in motion last July by the authorities has been exaggerated by the shortfall in oil revenues.

Indeed the extent to which oil production fell and revenues consequently declined has been much greater than anticipated. As a result the authorities have found it more difficult to come to terms with the problems that have arisen. The expanded version of the Five-Year Plan, 1973-78, allowed virtually no room for manoeuvre in the event of an oil revenue shortfall. This means that the Plan has been reduced in many instances to a mere guideline of development intent. All the same the Government, in public at least, has not lowered its sights and this year's \$45bn. budget is still very expansionary, thus putting further pressure on financial resources and economic management.

However, the dominance of oil in the economy gives a distorted view of economic activity. The burgeoning industrial sector has proved dynamic and, so have services. These sectors have witnessed estimated growth rates of between 20 and 25 per cent. This reflects the very substantial funds pumped into these sectors by private business and the State. Investment was well up on the previous year, by over 50 per cent, and managed to account for 30 per cent of GNP. Indeed growth would have been higher, if agriculture, despite the oil sector's credit increase allocations, had done better. Officially agricultural production increased by 9.1 per cent, but unofficially its growth has been put at a 4 per cent. maximum. Agriculture still provides a livelihood for 56 per cent of the population.

The vigour of economic activity in 1975 was further reflected in the activities of the banking system. Sight deposits increased 38 per cent. Money supply (M1) increased by 36 per cent. But in themselves these figures give little idea of the extraordinary evolution during this 12-month period. In the first quarter the economy was still booming, expanding at a rate of 40 per cent,

and there was none of the traditional slack in Government spending during this period. Commercial banks had used over 40 per cent of their total credit increase allocations for the year, and some had even exhausted the allocations. By the time the Government realised the situation was seriously overheated, it sought to mop up excess liquidity by raising the minimum reserve requirements for the banks, and to curb short-term foreign borrowing by doubling the ratio of obligatory deposits to commercial banks placed with the Central Bank from 15 to 30 per cent. At the same time a system of rigorous price control was instituted on a wide range of industrial and consumer products. The prices were pegged at January 1974 levels.

These measures were effective dampeners — coupled with a growing realisation at Government level that inadequate port capacity, poor infrastructure and manpower shortages were imposing their own limitations on growth. Moreover, business investment began to tail off quite sharply in July when the Government announced it would go ahead with its scheme to make manufacturing companies distribute 49 per cent of their shares to employees and the public: a negative effect which is still affecting business confidence.

It was against this background then that international demand for oil slackened, especially for heavy Iranian crude. Thus the turn-around from high growth to 'consolidation' did not really occur. The country went straight into a position of brakes firmly applied, with the consequent dislocations. Government reaction was both crude and simple — marginal projects were suspended and payment of contractors' bills was suspended. By the time of the budget for the Iranian fiscal year 1975-6 (beginning March 21) was presented in February as much as \$3bn. in such unpaid Government debts had accumulated.

The assumption appears to have been that this dislocation is a temporary phenomenon and that it can be accommodated in more modest — but still expansionary — growth. The overall budget for 1976-77 is thus up 27 per cent to \$45bn, with a \$2.4bn. deficit. The hope is that growth will average out at around 16 per cent.

To offset the dependence upon oil the Government this year has made efforts to improve tax collection in order to broaden the revenue base. The budget envisages a 53 per cent rise in tax receipts, raising their share to 16 per cent of total income. This substantial rise has been based on the experience of the previous year when receipts were 25 per cent above projections. But the level of oil revenues will remain crucial. As it is the Government banked on oil income being higher this year to absorb most of the budget deficit; but the Bali OPEC conference has probably quashed that hope.

Until these two issues are tackled it will be very difficult to control wages. Wages rose 35 to 45 per cent last year and this year awards have been the order of 30 per cent. The Government is in defiance of a Government-imposed limit of 1 per cent for the Five Year Plan's freeze. Industrial wages are high now that already some 40 per cent of the project's cost is being absorbed by the Government. The project's cost is being absorbed by the Government. The project's cost is being absorbed by the Government.

Taxation

Iran's domestic financial resources have only just begun to be tapped. Taxation rates are low and collection still unsophisticated. (The Finance Ministry is proposing to wipe off some 450,000 claims dating back over 20 years.) Tax should play a greater role, a almost certainly will. The Government can, too, if it will put an end to an expensive system of foodstuffs subsidies costing \$1.5bn. a year, which are inflationary anyway. Abolition can cut back further assistance programmes, which are still twice as much as foreign debt repayments. Finance has done very little borrowing on the international market. Debt servicing is under \$800 million, and foreign debt as a proportion of GNP is small compared to Algeria or Brazil.

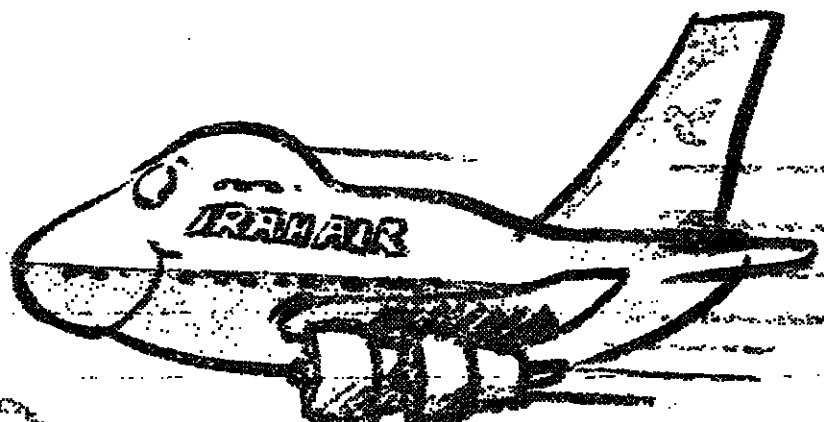
Taking tough decisions for instance, a reduction in subsidies is not easy. As a whole the Government has been reluctant to act. On the monetary field measures taken have not been very sophisticated (like blocking of bills to contractors by Ministries, most of which were paid off at the end of February). The most determined effort has been devoted to curbing prices, and in July rigorous system of price control was enforced. This cut the rise in the consumer price index around 10 per cent for the year. But rents were untouched and rents account for between 4 and 60 per cent of salary/wage. The rent rises reflect the pressure on housing and continue land speculation.

Constraints

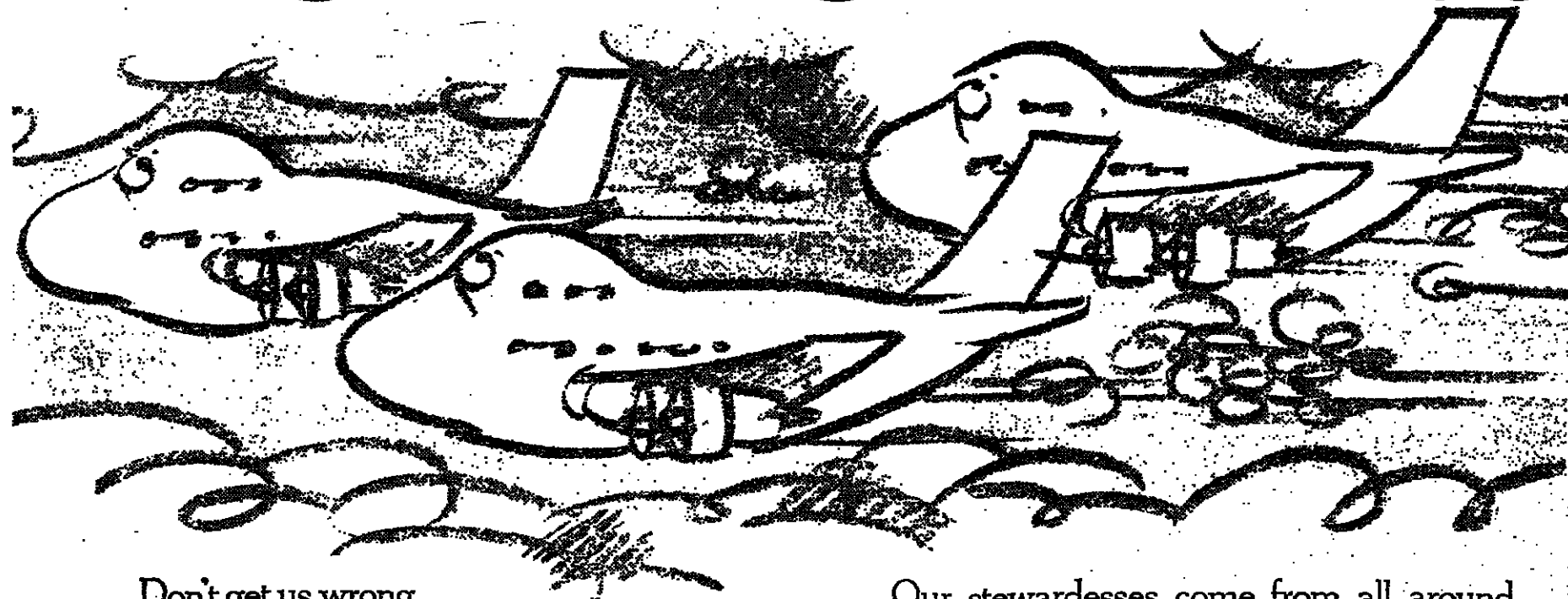
Financial constraints have forced some important changes. Foreign assistance and investment have been cut back 40 per cent. Cash payments for imports have been switched to credit, and significant foreign borrowing accepted as necessary realistically enforce a wage freeze. Industrial wages are high now that already some 40 per cent of the project's cost is being absorbed by the Government. The project's cost is being absorbed by the Government. The project's cost is being absorbed by the Government.

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IRAN III

The cooling of the oil price fever has left Iran with balance of payments prospects markedly different from earlier estimates. International expenditures may have to be drastically redrawn.

External finance

THE OUTSTANDING feature assumes that the trebling of Iran's external finances in revenues in 1973 was historic. In past years has been a sharp fall. Further pressure will thus be exerted on foreign receipts put on Iran's balance of payments. A continuing rise in imports which last year swung to a surplus of \$1.5bn. is a trend which will continue to modest deficit. In turn this year and perhaps for this means that Iran will be in a foreseeable future if one increasingly in the international

market both for balance of payments reasons and to support the continued high level of planned growth.

These conclusions may sound obvious enough now. Yet 12 months ago the picture was very different and it has altered dramatically even in the last six months. For instance, the IMF was told in early November that Iran anticipated total military and non-military imports of \$17bn. and an overall deficit of \$1.7bn. As it is, preliminary figures worked out by the Central Bank for the year ended March 21, indicate a deficit of \$670m. and imports down to \$15.3bn.

The reason for this remarkable turnaround in forecasting is largely attributable to reduced oil sales and the consequent slowdown in economic activity. In payments terms oil revenues produced only \$19.1bn. or a 2.2 per cent. growth over the previous year. In fact the growth was nearer to zero as this figure includes 13 months payments by the Consortium. Total foreign receipts grew only 2.8 per cent. to \$21.73bn. Exports of gas rose from \$130m. to \$200m. but exports of goods remained virtually static around \$600m., declining marginally.

Despite imports being nearly \$2bn. below forecast levels, the overall deficit has been influenced by heavy expenditure on services and sizeable outflow of capital, plus Iran's heavy foreign investment and assistance commitments. The services item on current account rose from \$2.2bn. to over \$3.1bn. on preliminary calculations. A substantial item was demerage of around \$1bn. Officially the outflow of capital has been just over \$800m. but unofficially it could be double this figure and has been a destabilising factor in the balance of payments. Overall Iran is now reckoned to have reduced its foreign exchange reserves by \$1.5bn. over the past year to \$5.3bn. This compares to \$5.2bn. being added to reserves in the 12 months up to the end of March, 1975, or put another way the country's overall payments has swung from a surplus of \$5.2bn. to a deficit of \$670m.

Volatile

Such a highly volatile movement seems unlikely to take place in the coming year. Oil revenues are planned to increase 8 per cent. to \$20.7bn. This is a conservative estimate but also a realistic one given the freeze in prices until the end of 1976 and the problems in selling heavy crude. Other receipts are unlikely to increase much more than 4 per cent., if that, since exports will continue static so long as internal demand rises and absorbs the increased productive capacity. Against this imports are likely to rise by as much as 45 per cent. (partly due to accelerated port clearance). This could give an import bill of around \$18bn. On the assumption that services will increase, that debt repayment will be around \$800m. (1975-76) and foreign assistance and investment will continue, though cut to \$1.5bn., the overall deficit can only be balanced by borrowing.

Banking sources now esti-

mate that the borrowing requirements for the public sector will be \$2bn., with as much as a further \$1bn. being taken up by the private sector. The budget envisaged public borrowing abroad of \$1.2bn. This requirement compares with \$315m. borrowed on the Euro-markets in the calendar year 1975. So far this year \$240m. has been raised abroad and discussions are under way for a further \$1bn.

Loans

Much will depend upon the Iranian authorities and on how they wish to raise the funds. Previously the Central Bank rejected the idea of loans in the name of Iran, but now it is moving towards doing this, for only in this way can finance in the order of \$2bn. be raised at acceptable rates. All foreign loan requests are now processed and vetted by a special three-man committee. Apart from a major petrochemicals venture with the Japanese, the main finance which should be negotiated this year is that for IGAT II, part of the project under which the Soviet Union will receive supplies of Iranian gas and sell its own to Europe. Total external financing for the project is in the order of \$2.2bn.

Commercial banks have been discouraged since last July from seeking funds abroad. Then the commercial banks were obliged to place a 30 per cent. deposit on foreign borrowing with the Central Bank. This effectively discouraged short term borrowing. There is still no move, however, to curb or control capital outflows. Exchange regulations were lifted at the end of 1974.

Against the background of this clear need to borrow abroad attention has focused on the level at which Iran can sustain its external assistance. Last year Iran disbursed \$2.6bn. in foreign investments and assistance. No breakdown is available and the precise direction of these funds is not known. But outstanding commitments believed to be some \$12bn. may not be fully met, or fulfilled under existing timetables. As it is, the second tranche of Iran's \$1.2bn. loan to Britain has been delayed and split into two parts of \$200m. —the first to be paid at the end of the month. Iran also found itself in the position last month of withdrawing \$200m. placed on deposit with the Banque de France (part of a three-stage agreement to place \$1bn. with a third and final tranche of \$300m. due to be deposited in October).

On the aid side, assistance has been cut back drastically to only those cases where considered really essential—for instance on going aid to India, Pakistan and Egypt and some lesser commitment to smaller developing countries. This year there is some latitude. Disbursements of foreign aid assistance and investments last year was 15 per cent. less than anticipated. But with the high foreign exchange cost of financing economic development, the aid programme is likely to play a much less prominent part. Another measure to trim external expenditure is a switch away from cash payments, and the expensive habit of prepayments, to credit for imports. Officials estimate this could result in substantial foreign exchange savings.

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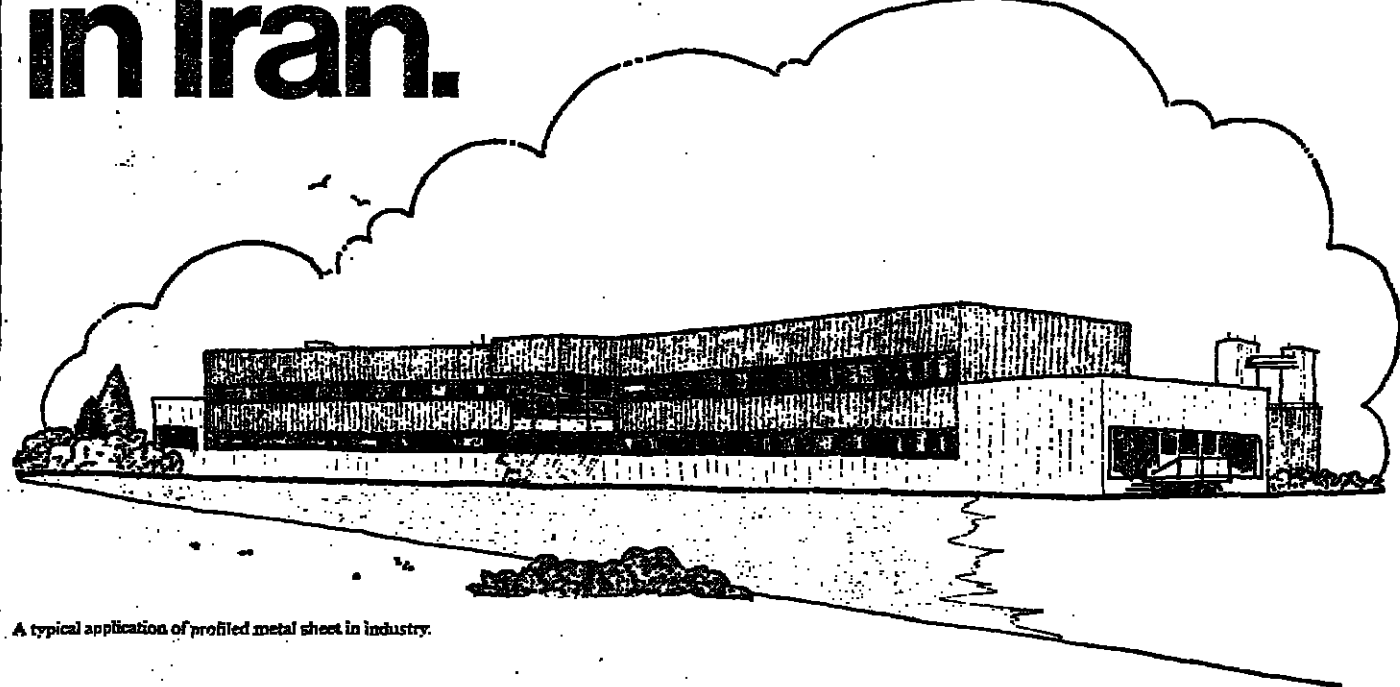
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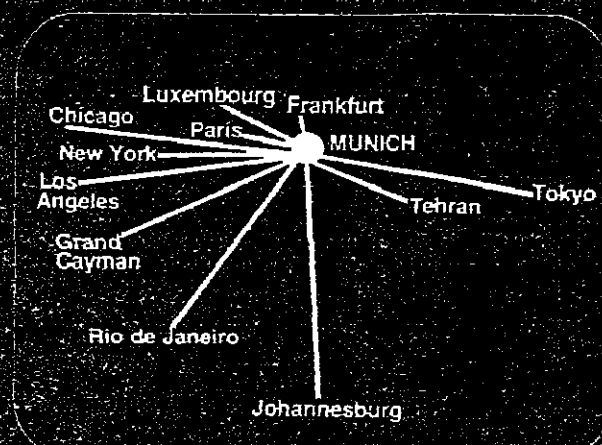
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IRAN IV

The business community has reacted very cautiously to the Government's plan for companies to divest some of their equity and sell it to employees and the public.

Share stakes

THE GOVERNMENT'S decision to press ahead last July with a scheme for major private manufacturing companies to divest 49 per cent. of their equity, distributing it among employees and the public, has proved highly controversial among the business community, whether local or foreign.

Such a radical step was bound to be controversial, especially in a country where business has operated subject to few controls and has enjoyed high profitability. But the reaction of the business community has been even more negative than anticipated. Few of the fears aroused by the scheme's announcement have yet dissipated, and uncertainty is being fuelled by the general fuzziness that still surrounds details of its application. In short the business community does not like the scheme and is doing its best to navigate round it, or argue with the Government to rethink certain provisions.

Initially 320 companies have been earmarked by the Government in the private sector. By March 1976, if the scheme's schedule is observed, they will all have divested themselves of 49 per cent. of their equity. A start was made last September, with 11 companies and by now nearly all of the 106 largest companies, selected to be in the first batch, have begun the scheme. The remaining 214 companies have yet to be named.

The 106 were selected on the basis of fulfilling one or all of the following criteria: minimum fixed assets of Ri.200m, (\$30m.) minimum turnover of Ri.250m, or minimum registered capital of Ri.100m. These criteria are liable to be revised in the future but at present they apply cover those manufacturing concerns both large enough and sophisticated enough to cope with the scheme. All companies with less than five years' operations are excluded.

Only 35 per cent. of the first batch of companies were previously listed on the stock exchange and it has taken time both to value the shares for a public listing and to go through the necessary legal mechanisms for going public. Share values have been evaluated by a Government selected board, the Council for the Expansion of Public Ownership.

The Council is drawing up principles made some interesting assumptions about Iranian industry. For instance it assumed that profitability should average 15 per cent. over a three year period by according par value to a company that showed average profits of 15 per cent. per year over the three preceding years. Generally companies have been assessed above par. Some companies have complained about evaluation but this is inevitable.

The main impression is that the Council has been generous in its assessment. Just taking one example at random—Plasco Kar, a company involved in chemicals, leather and skin industries. It was not previously listed. It has an average three year profit of Ri.62m. and a registered capital of Ri.240m. Par value shares of Ri.1,000 each were listed at 1.541.

Because of the complexity of the purely mechanical aspects of the scheme, and, one suspects, to test it, the obligation to divest 49 per cent. is not being done in one step. Initially the 106 companies have been asked to divest only 20 per cent. This 20 per cent. is offered first to employees of more than 3 years' service, then the balance is taken up by the public. Share purchase is assisted by a special institution, attached to the Ministry of Finance, which has an initial Ri.1bn. fund.

Acquires

It acquires the shares on behalf of the employees, paying the company in the form of bonds. These have two, three and five year maturities with rates of 9 per cent., 9.5 per cent. and 10 per cent. respectively. One third of the total bond payments must be two year maturities. Employees can only dispose of their shares when the loan—10 years at 4 per cent. with an initial Ri.40,000 ceiling—is repaid. The bonds however are tradeable.

Employees can of course purchase shares with their own finance, the limit being Ri.500,000 worth. However, the general assumption seems to be that employees will, if they wish to purchase shares, only be able to cope with a loan purchase. The loans also seem to be based upon the assumption that dividend earnings will of themselves repay the employees' loans, a generous concept if it works out.

Shares which are not taken up by employees are then offered to the public. But in order to stimulate investment activity a national mutual fund, the National Investment Company of Iran (NICI) has been established with a sizeable Ri.10bn. (\$150m.) capital. Thirty-five per cent. of NICI's shares are fully paid up by the founders—IMDBI, Bank Melli, Bimeh Iran, Bimeh Markazi (two insurance companies), the Agricultural Development Bank and the Central Bank. NICI will buy shares either for gradual sale or to form part of its own portfolio. NICI has the aim of holding a maximum 6 per cent. stake in any one company.

Foreign companies with shareholdings have had their equity restricted to fixed ceilings depending upon the sector. Food and textiles will have a ceiling of 15 per cent.; building materials, metal products 20 per cent.; chemicals, pharmaceuticals, transport equipment, agro industry and electrical machinery 25 per cent.; in cases of high technology like electronics or petrochemicals up to 35 per cent.

The scheme has been promoted for a wide mixture of political, economic and social reasons. On the political and social level it is intended to provide an incentive to employees to feel a greater stake not only in specific manufacturing operations but in the broader industrial development of the country. There also is a clear attempt to prevent the accelerating gap of wealth between the factory owners and the workers.

Economically the share distribution scheme is designed to satisfy a number of objectives. The most important of these are the promotion of a capital market with the Tehran Stock Exchange becoming a significant instrument for providing capital to industry, the promotion of better management and more honest book-keeping, and to increase capitalisation of industrial enterprises which at a time of rapid expansion are mostly under capitalised.

It is still too early to assess whether these varying objectives are going to be achieved. First it is important to stress that the seemingly rigid guidelines are almost certainly flexible. For instance on the question of foreign equity there were no guidelines announced.

businessmen expressed concern at the vagueness of the declaration they were eventually given some clarification in September. Though not yet put to the test, the message seems to have travelled around that exceptions can be made.

For instance, Massey Ferguson has just initiated a joint venture tractor plant, holding 40 per cent. of the equity. Will it keep it or divest—nobody knows. What is not yet clear also is a situation whereby an existing foreign shareholding falls within acceptable limits. Does the foreign partner, say, keep his 14 per cent. stake in a textiles factory and the Iranian private partner have to release proportionately more?

The Iranian companies make no secret of their dislike of the move. They know it means greater public scrutiny on such items as taxes and losses to directors. They also fear that this is in effect a scarcely concealed form of Government intervention in industry and the free market system the Shah is trying to promote. They argue that the employees are not very interested in the shares, except as a free handout, and the share taken up by them will be very small, thus leaving the way open for Government purchase.

Foreign companies with equity stakes have reacted to it more or less in the same manner, although they have shown greater concern for control over management. But guarantees have been given that management contracts can be retained. Yet the majority of foreign concerns appear to have accepted, albeit unwillingly, that this is the price for operating in the Iranian market. American companies have shown the strongest opposition and two have sold out—Gould Electric and B. F. Goodrich, the latter having had 58 per cent. in a local operation. Perhaps it would be unfair to attribute the scheme as being solely responsible for this selling out but it was a powerful contributory cause.

The extent to which employees will purchase shares is enigmatic. In January when 64 companies had sold 20 per cent. of their stock, it was revealed that Ri.600m. worth of shares had been bought by employees. Of this Ri.555m. had been purchased on their behalf by the state finance institution run by the Council for the Expansion of Industrial Ownership. By March NICI had acquired 6 per cent. of 42 companies. But it is not yet known how much of the initial 20 per cent. of the 106 companies has been purchased. Neither NICI's capital and that of the special institution to buy on behalf of the employees permit limitless buying, particularly as the shares of the companies have been valued high and are sometimes of Ri.10,000 par value.

Impact

One unforeseen consequence has been the feeble impact the scheme has had upon the Tehran Stock Exchange. Discounting the "one off" deals when the new shares are sold, the volume of transactions in the year ended March 21 was 6,221 against 6,506. Added to this there has been virtually no trading in the shares of the industrial companies affected. This is because owners and speculators believe that the valuation of the first block of shares may differ from that accorded to the subsequent 29 per cent. Nor at this stage has it been announced whether this 29 per cent. will be sold in one block or two—20 per cent. and 9 per cent. with a different price for the final tranche.

In fact the chief effect on the stock market has been to focus more attention on bank shares—which are not subject to the 49 per cent. regulation and are generally considered the most attractive buy. Brokers also believe that the present scheme apart, industrial shares are under pressure due to rising wage costs, and profit sharing schemes encouraged by the Ministry of Labour. Nor in the short term does distribution of shares among employees make them more committed to the company they work for. B. F. Goodrich one of the 106 companies, was recently closed for a three-week strike.

But these are early days and the scheme will take time to evolve. It is likely to move slower than anticipated but there is no indication that its broad principles will be changed, and share distribution has now been enshrined as the 13th principal of the Shah's People Revolution.

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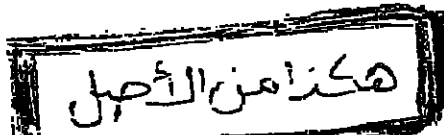
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IRAN V

The ports

The ports structure is inadequate to handle the heavy volume of freight entering Iran. But efforts have been made to streamline procedures while plans for new facilities are being pushed ahead. By 1978 port capacity could be 60m. tons.

ONE HUNDRED and forty one True, a charter might still ships lying at anchor outside have to wait six months for Iranian ports in the Gulf; a berthing at Khorramshahr on the 12m. tons of cargo, the Shatt-al-Arab waterway, ranging from truck heads to where some 44 per cent of all Australian wool and fruit—the country's seaborne non-oil waiting to be cleared from the trade is handled. But, thanks country's seven major ports, to a priorities system set up and, just inside the Turkish last January, a scheduled line border, a backup of trucks might get into port within two stretching some 6 km. weeks. One spin-off has been a This was the scene at Iran's series of decisions by shipping major points of entry earlier: conferences to scrap surcharge this month as anxious officials fees at many of the major south- continued to try to unscramble ern ports.

In fact, the headaches at least nine months ago Iranian ports these days are were threatening to bring the sheer magnitude of country's ambitious import programme to a virtual standstill. first, processing the huge volume of freight through a still almost unbelievably, the situation this summer—although large inadequate port structure. and, second, persuading still critical—is a vast improve- ment. Only last November, for example, the number of ships short importers to come and waiting outside Iran's southern ports was close on 400, and sur- charge fees for the year were expected to cost the country some \$1.2bn. —is a good case in point. Thanks

largely to a combination of private enterprise and Govern- ment incentive, daily offloadings have recently risen from a daily 8,000 to 15,000 tons, but earlier this month more than 200,000 tons of cargo still remained to be cleared from the port area.

Iran's seven major ports, which are reckoned to handle nearly 80 per cent of all imports, had a nominal capacity of only 3.5m. tons a year at the beginning of the Fifth Plan in 1973. Original plans called for an expansion to 9.7m. tons, but this figure was drastically revised to 28m. tons following the massive spending spree that got under way when Iran's oil income was quadrupled two years ago. With round-the-clock shifts, total capacity could theoretically reach 60m. tons by 1978.

The Government only really got down to tackling the ports problem with any degree of seriousness last November when the Shah appointed a director of the National Shipping Com- pany, Mr. Reza Shayaneg, as transport "Czar." The need for urgency was obvious: important national projects were—and still are—being held up because con- struction material and mach- inery simply couldn't make it through the ports. Even in-day port congestion is considered a major bottleneck in the country's economy.

Solutions

In addition to promptly put- ting the ports and clearing houses on 24-hour working, Mr. Shayaneg—who has since quit—worked on a series of longer- term solutions. These included the construction of a 1m. square metre warehouse at Khorram- shahr, road haulage improve- ments, the creation of new trucking companies and, again at Khorramshahr, the building of a 100m. railway from the jetties to the warehousing area.

Two important factors have recently made the task of Port and Shipping Organisation (PSO) officials easier. The international shipping com- panies themselves are growing more circumspect in committing their vessels to this part of the world, and there is an apparent downturn in the volume of goods coming through the ports.

Port clearance, nevertheless, remains severe. Red tape is gradually being pared down, but time taken before Customs clearance still tends to be lengthy. It was not until February, 1975, for example, that the number of official stamps and signatures was cut from 27 to nine. Storage costs are low—free for the first 15 days—and many importers use valuable transit sheds for long- term warehousing.

More important, perhaps, is the attitude of the importers themselves, many of whom are still badly short of credit. Almost paradoxically, Iran's anti-profiteering campaign—which last year saw the Govern- ment fix prices based on in- voices plus a small profit margin—was to add considerably to port congestion. Importers who had made small fortunes in the past by under-invoicing were soon to prove reluctant in coming forward and declaring their goods, despite a 15-day waiver announced by the Government last autumn. More recent plans call for a central clearing house to streamline Government imports.

Coupled with the ports' clear- ance drive are improved ware- housing and nationwide distri- bution plans. Despite recent improvements, Iran's trucking industry remains in poor shape: maintenance and adequate depots systems are, virtually unheard of and it is reckoned that of the regular 3,000 or so trucks on the Tehran-Khorram- shahr run at least 80 per cent,

return empty. Drivers are still in extremely short supply.

In a bid chiefly aimed at relieving port congestion, maximum truck loads were recently raised from 20 to 25 tons and drivers recruited from as far away as the Philippines and Portugal. In what has long appeared to have been a major blunder the Government also imported some 4,000 tractors (or truck heads) and 12,000 articu- lated trailers. Not only was Iran acutely short of drivers but, because of possible theft, the country's trucking industry is highly suspicious of articu- lated vehicles. As a result, most of the imports have been left to rust in fields, desert and open warehousing around the ports; the only ones to be seen on the road to-day have been permanently hitched together.

Given these problems at the ports, many importers have tended increasingly to look to Iran's overland gateway through the Soviet Union and Turkey. But queues of 5 km. are regularly reported outside Bazargan on the Turkish border, and the rail-freighted cargo through Julfa on Iran's border with the Soviet Union frequently fares little better.

But neither the USSR nor Turkey is particularly happy with this sudden increase of traffic. Charging that Iran- bound trucks were damaging Turkish roads, Ankara decided in January drastically to raise transit fees and introduce hefty fuel taxes. The Iranians responded by threatening to withhold a \$1.2bn. credit line (largely intended to fix up Turkish roads and improve customs facilities), and indeed the credit facility seems to have been forgotten.

Determined efforts are being made, meanwhile, to increase the flow of freight once inside the borders. Chief among the current plans is the electrifica- tion of the 146 km. Tabriz-Julfa line—scheduled to be completed within the next two years by Techno-Export from the USSR—and the expansion of the Julfa shunting yard. A British company is currently working on a design contract for the electrification and double track- ing of the Tehran-Tabriz line. Similarly ambitious plans exist for the south of Iran which include linking Bandar Abbas to the national railroad net- work and making all ports more generally accessible to the rest of the country.

But the lion's share of this year's IR80.3bn transport and communications budget goes, of course, to ports. With an eye to meeting the 1978 deadline the Government has allocated 21.4 per cent of the budget or a total IR17.2bn. to a major port expansion plan.

If all goes according to schedule, Bandar Shahpour will soon pre-empt Khorram- shahr as Iran's major port. Plans for Bandar Shahpour currently include the addition of 28 new jetties to the exist- ing six and the dredging of Khor Mousa approach, which will allow the safe passage of vessels in the 60,000 tons range. By comparison, expansion plans for Khorramshahr—where a team of South Koreans is cur- rently putting the finishing touches to three special jetties—are considerably less. At Bandar Abbas, meanwhile, an Italian consortium of contrac- tors has recently been brought in to build a completely new port some 20 km up the coast. When completed in 1980, the new port will boast 22 jetties and a nominal port capacity of 16m. tons.

Although the congestion at Iran ports can be expected to lessen gradually, few shipping agents expect any real relief until 1979 when work at Bandar Shahpour is scheduled to be finished.

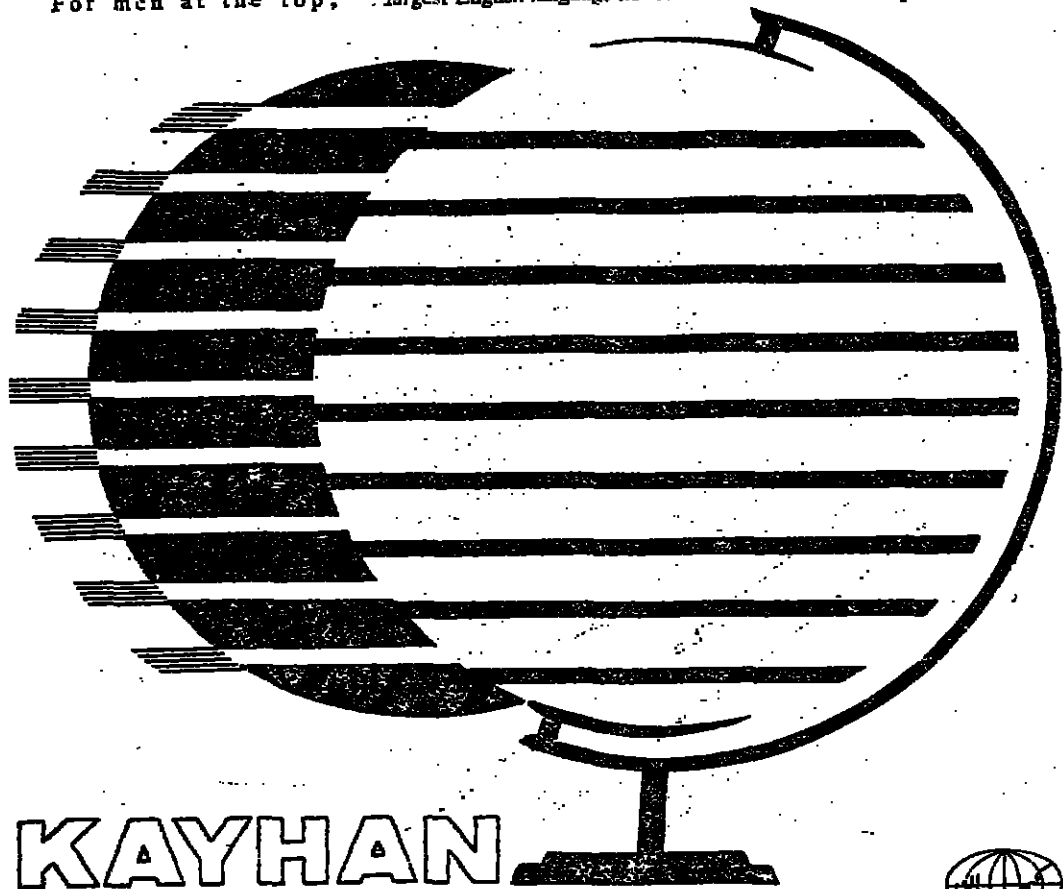
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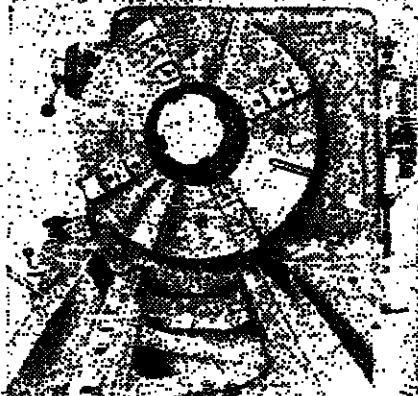
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IRAN VI

Once almost self-sufficient in food production, Iran is now a massive importer. Huge amounts of money have been earmarked for agricultural development, including an irrigation programme. But problems remain with an inadequate distribution network, and many farms are still too small to be efficient.

Agriculture

DESPITE BEING a "top priority" sector and with a wealth of funds at its disposal, agriculture in Iran continues to remain sorely troubled.

The problem is very basic: because of largely antiquated methods and a good deal of insecurity prompted, surprisingly, by a Government policy that is over- rather than under-ambitious, the Iranian farmer simply cannot produce enough food to satisfy the increasingly huge appetite of his countrymen for agricultural produce.

In fact, from a position of virtual agricultural self-sufficiency in the late 1960s, Iran is now one of the larger importers in the world. Food and agriculture produce imports for the last Persian year (March 1975-76) are put at \$1.4bn, and may well hit the \$2bn mark during this current year. The experts warn: "Unless Iran radically alters its approach to agriculture, imports could reach \$4bn, by the mid-1980s."

Although there is still plenty of latent potential to be tapped, Iran's agricultural resource base is strictly limited. Rainfall is a scant 300-350 mm, a year and less than one-third of the country's total 1.6m. square kilometre area is cultivatable. Plagued alternately, it seems, by drought and flood, Iran also has to contend with severe winter frost, which makes double cropping virtually impossible.

Confronted with such a challenge—and given the Government's determination for development at all cost—total spending (both public and private) on agriculture during the Fifth Plan (1973-78) now stands at some \$5bn. Of this, \$1bn has been earmarked for rural development and another \$2.5bn for irrigation work.

(This year's budget has actually been cut back 10 per

cent to IR120.9bn. Officials say such economies are less the result of a general Government cost-cutting programme than simply that agriculture projects use less money at the beginning of a five-year plan than at its end.)

One result of such heavy spending—which includes generous loan, credit and incentive programmes—is a growth rate in the sector last year officially reckoned at nearly 10 per cent. But such Agriculture Ministry figures are regarded as highly suspect, and many experts insist that 2.5 to 4 per cent is nearer the truth.

Whatever the validity of these figures, it is undeniable that for the last two years the country has experienced shortages—ranging from sporadic in severe—in nearly every major farm commodity. Despite the fact that agriculture employs fully 39 per cent of the population (and contributes less than 16 per cent towards the GDP), officials blame Iran's increasing dependence on food from abroad on a rampant consumer demand that is pushing ahead at an annual rate of 12.5 per cent.

Worsen

Indeed, the import picture may worsen. Despite the Government's professed aim of relative self-sufficiency in the agriculture sector by the mid-1980s, several major studies have recently concluded that food imports are likely to increase rapidly over the next decade no matter what steps are taken to improve Iranian agribusiness.

The Government's major problem, it seems, is haste: the country's planners are moving too fast for the majority of the

3m-plus farmers, who are largely illiterate. Many excellent programmes have failed in the past simply because the Agriculture Ministry lacks the qualified personnel to explain new machines, for example, or to ensure that the "new and improved" seed is actually delivered in time for planting. As a result some "impact programmes" have had virtually no impact at all.

Another case in point is the input subsidies and minimum price support programmes. In principle relatively sophisticated and in some cases certainly generous, the policy is based more often than not on poor data, which in turn leads to poor food import planning and seasonal shortages.

More pressing in the long-term perhaps is the current lack of security felt on many a farm to-day. Only 15 years have passed since Land Reform shook the nation to its agricultural heart, but again there is talk of another revolution: land consolidation.

The case for land consolidation is readily apparent. Iran's proportion of small farms is high and, by extension, extremely inefficient. Over four-fifths of the total farming community work holdings of less than 11 hectares; they occupy some 40 per cent of the richest agricultural land but provide less than 20 per cent of the marketed supplies. By comparison, the medium-sized farmers with holdings of between 11 and 100 hectares can provide almost three-quarters of marketed supplies from less than 50 per cent of the country's cultivatable land.

(Farms of over 100 hectares are considerably less economic: although they occupy some 12 per cent of the land their gross

output is only some 6 per cent of the total.)

Another prominent feature of Iranian farming to-day is fragmentation. Farms of ten hectares may be divided into as many separate plots, rendering much of the Agriculture Ministry plans for high technology quite useless.

Determined to overcome these very real problems, the Government last year enacted the "agriculture pole" Bill. Twenty poles have already been pinpointed, and current plans call for all farms which fall under the aegis of the new Act to be combined into units of not less than 20 hectares—the size considered economically viable for large-scale farming—and turned into what can only loosely be described as State-sponsored agribusiness.

Urgency

Success will depend largely on how the Government decides to interpret the new Act. Despite the urgency of land consolidation, experts are emphatic that the Government use persuasion, not aggression, in broaching the problem—particularly, as what has largely prompted to-day's nervousness down on the farm is word that those farmers who choose to turn down the Government's offer of membership in the new agribusiness ventures will find their land automatically bought up by the Agriculture Ministry and either rented out to the private sector or farmed by the Government itself.

Meanwhile, some of Iran's smaller farmers would, it seems, already have made up their minds. Although no figures are available, an obviously worrying number are reported to be leaving their land fallow this year for the good wages and

security schemes offered by industry.

In a bid to reduce Iran's spiralling inflation, the Government last summer launched an anti-inflation campaign. Eleven months later the benefits of the campaign are still debatable.

The effect of the crackdown on the agriculture sector has been twofold. First, having largely driven to ground the ubiquitous middle-man or merchant, the Government has yet to effectively implement a comprehensive distribution plan. Although a large network of cold storage plants is currently being set up and plans are going ahead to expand the country's grain silo capacity to nearly 2m. tons by 1978, Iran's trucking fleet—although vastly improved—stands little chance of quickly handling these large quantities of food. Imports fare little better: port congestion remains severe, and only three months ago a 2,130-ton consignment of rotten bananas was tossed overboard.

Second, many farmers themselves consider the "zero inflation" target quite unfair. Quality has slipped noticeably in the fruit and vegetable market and, to cite but one example, several large poultry farms have closed in recent months, charging the Government with unrealistic prices.

The retailers remain unhappy. Shortages of anything from toilet paper to pulses are becoming commonplace, and bigger shortages—particularly in processed foods—are predicted for the months ahead.

Many complain that the Government procurement agency—already badly humiliated earlier this year in an international food purchasing scandal—is often badly late in meeting orders, and few seem willing

to reinvest their often drastically reduced profits.

Agribusiness was originally intended to solve many of these problems, but the huge farms (88,000 hectares) of Khuzestan in South-West Iran have passed a largely indifferent year. The agreements of two major foreign investors—Mitchell Shellcott and a consortium of American investors—were reported to have reached a "critical" stage and may well be terminated some time this month. The Agriculture Development Bank of Iran (ADBI) has already taken over the Iranian management side. Only two years ago another of Khuzestan's pioneers, pistachio king Hashem Naraghi, abruptly pulled up stakes.

Although other agribusiness ventures in the country are reportedly faring better, the problems in Khuzestan could prove to be very much a psychological blow: given extensive publicity as "the bread basket of Iran," these joint venture projects have long been a Ministry favourite.

Chief among the problems in Khuzestan are apparently excessive high overheads and low agribusiness, the Government production. Companies have also complained of management problems and an acute shortage of Government-promised water.

Currently numbering 85 and

for lands put under the plough, the big Dez dam, for example, has a theoretical irrigation capacity of 100,000 hectares, but to-day it is still only covering 18,000 hectares.

Such setbacks are reportedly prompting the Government to take a new look at its agricultural programme, and already a noticeable renewal of interest in the who, with their Iranian "middle farmer" (that is, with

loans dispersed by ADBI during the past Persian year, 83 per cent were made up of less than the middle-sized farmer. In addition, ADBI set up three regional development banks last year aimed among other things at mobilising local savings, making loan distributions easier and generally encouraging the small farmers.

In much the same vein, the Ministry of Co-operatives and Rural Affairs recently announced a R120bn. Rural Aid Fund which is open not to agribusiness but to members of farm corporations and farmers with less than 2 hectares.

Despite the difficulties with agribusiness, the Government appears determined to go ahead with the largely unpopular farm corporation programme.

scheduled to top 140 by the end of the Fifth Plan, membership of such an organisation involves the farmer exchanging the deeds of his land for a share in the Government-financed business. The company's economic viability of many of the farm corporations is highly questionable, and even Government officials have conceded privately that few farmers are happy working such a system.

Far more popular are the co-operatives, which are basically a getting-together of like-minded people who agree to pool their resources in the name of mechanisation and higher yields. Even Minister Manouchehr Rahnai is reportedly impressed with the efforts of private-sector farming during an earlier trip to Moscow.

Meanwhile, no one can deny that the Government is working hard at setting up a co-ordinated and comprehensive agricultural policy. But experts say that unless some basic footwork is done at both institutional and farm level—to say nothing of re-labelling questionable priorities and cutting back on prestige projects—Iran's agriculture sector could remain troubled for many years to come.

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The new major rolling mill plant

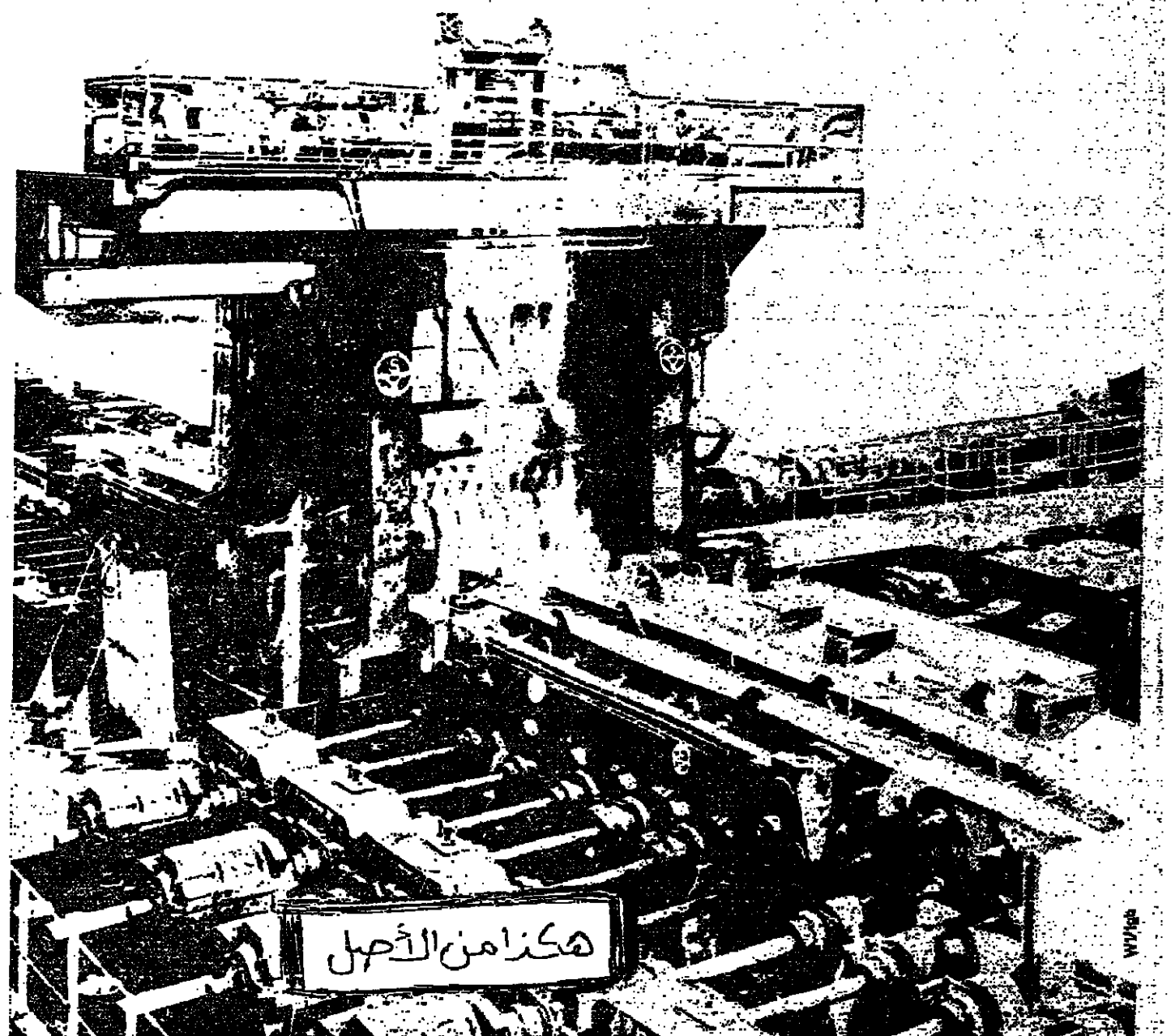
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Iran is the biggest importer in the Middle East and is also the U.K.'s largest market in the area. British firms are involved in a wide variety of projects, including motors and steel.

A population of 35m. and a fast growing economy, Iran's military imports and probably also its oil revenues, are over 60 per cent. of military imports from the U.S. included. In the last calendar year the U.S. replaced West Germany as the leading non-military supplier with a 30 per cent. share. One interesting new trading partner to emerge is India. India is now in sixth place with a 3.4 per cent. share just behind France. This is largely due to the sale of sugar and cement. British exporters, meanwhile, can feel reasonably satisfied with their performance. For calendar year 1975, D.T.I. statistics show that British exports to Iran increased 77 per cent. from £278m. to £494m. This figure includes military sales, which, with the sale of Rapier missiles, supplies of Chieftain tanks, naval equipment and electronic equipment, probably accounts for over one-third of the total. Under the heading "machinery and transport equipment" goods were sold equivalent to the entire British sales of the previous year. (Part of military sales are included under this title.) Other important items included chemicals (£23.5m.), iron and steel goods (£23.2m.), textiles and fibres (£23.5m.) and "commodities and transactions" not classified according to kind (£49.8m.).

An interesting development which will be reflected in future statistics is the entry of British companies into some major industrial contracts. The British Steel Corporation has won a \$50m. contract to provide engineering, project management and technical assistance in the construction of a gas reduction steel plant at Isfahan. Foster Wheeler meanwhile has won a construction contract on another gas reduction steelworks at Ahwaz. Wimpey-Laing last year won an estimated \$500m. contract to build and oversee equipment for an ordinance factory (mainly ammunition and some gun barrels) at Isfahan in conjunction with Millbank Technical Services.

Studies

There is also hope of British involvement in the substantial rail electrification schemes. British Rail's Transmark is now doing studies on the electrification of the Tabriz-Julfa rail link. On the general construction side British companies have made a strong penetration of the market. Marples Ridgway, Costain, Wimpey, Laing and, more recently, Bovis are all in Iran. But this increasingly substantial presence still does not prevent the U.S., the West Germans and the Japanese of having a much broader market penetration. In one expanding sector, the automotive industry, Britain is heavily involved. Chrysler U.K. supplies the CKD units for the assembly of Iran's popular four-door saloon, the Peykan. Within two years production could reach 200,000 units, which would be worth almost \$150m. to U.K. exports. Elsewhere in the motor industry British Leyland has a 9 per cent. stake in a truck plant and a 26 per cent. stake in S.S. Leyland Diesel, producing diesel engines in Tabriz. It has no stake in a plant assembling Land Rovers but provides assistance and parts. On the agricultural side, Massey Ferguson has recently agreed on a 40 per cent. stake in a \$50m. tractor venture producing 20,000 tractors a year.

British companies are also beginning to show an interest in high technology exports to Iran. At Tehran's first ever technology fair, British companies were the largest contingent. Many were small companies in Iran for the first time, and were encouraged by the response. Initial orders and follow-up enquiries are likely to lead to business of around £2.5m. In addition to a presence at the fair, there have been several missions including those from the oil equipment industry and the ceramics industry—both of which found an encouraging response. Of course, British goods do now have a strongly competitive edge. In a year the sterling rate has moved from 144 rials to the pound to 123, while the rial has moved upwards from 67.75 to 70.75 to the dollar.

But it would be wrong to look at everything through rose-tinted spectacles. Although the export performance has been strong, the market is not an easy one to work in. As a simple supplier it is much easier than for those companies who have come in to set up joint ventures or work on a turnkey basis. Almost without exception those companies with a physical presence in Iran during the last year have experienced problems, some serious.

First there are those companies who initiated projects during the boom of two years ago and then discovered that the Government had less money to spend or wanted to change the scheme altogether. Such is the case with Costain, which had begun work on the civilian side of the new naval and airbase at Chah Bahar. Since January work has more or less come to a standstill and the whole project is being examined. This in turn has delayed talks on a joint venture with the large local construction company, Mahak. More serious in this category has been the fate of a group of British companies, headed by Cementation, bidding for a hospital contract. Cementation was accused of submitting an excessively high bid for the contract, and the Government refused to pay an advance payment equivalent to \$2m.

The hospital project was conceived two years ago with three international consortia selected to carry out a hospital programme of building 6,000 beds. Each consortium was to build 2,000 beds on a turnkey basis. In the case of Cementation, estimates were proposed three times and three times rejected — the nature of the project changing each time so that reach 200,000 units, which would be worth almost \$150m. to U.K. exports. Elsewhere in the motor industry British Leyland has a 9 per cent. stake in a truck plant and a 26 per cent. stake in S.S. Leyland Diesel, producing diesel engines in Tabriz. It has no stake in a plant assembling Land Rovers but provides assistance and parts. On the agricultural side, Massey Ferguson has recently agreed on a 40 per cent. stake in a \$50m. tractor venture producing 20,000 tractors a year.

Over the past year, some will say that those companies with problems failed to study the market. Joint ventures need not be hurried into (Morris Cranes, for instance, will enter a venture with its Iranian partner, Akam, but has not formalised the arrangement at the moment, preferring it that way). This is all true—and without naming any specific company there are several examples of operations of projects being begun which any close study of the market would have indicated were impractical.

For this reason it would be wrong to take too negative a view of the problems of operating in the Iranian market. One company in particular has managed to navigate successfully so far in what is one of the most difficult areas—establishing a modern industry which threatens traditional Iranian industries. The London Brick company, in its first venture abroad, has taken a 20 per cent. stake in a £3.5m. plant designed to produce 500,000 bricks a day. Its partners include a bank and a number of local brick manufacturers. Iran is traditionally famous for its bricks and this seems in a sense almost like taking coals to Newcastle.

Taking all this into account, undoubtedly the mood of British businessmen has altered

R. G.

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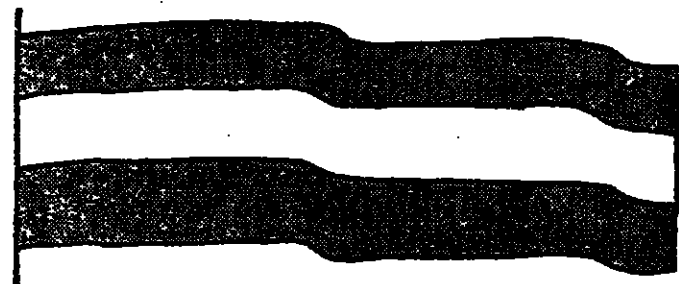
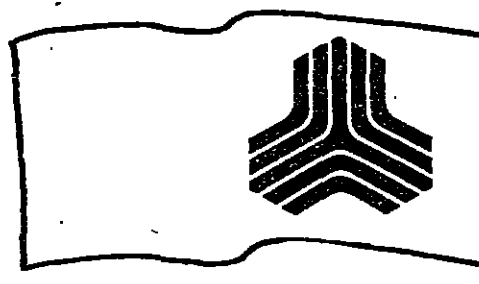
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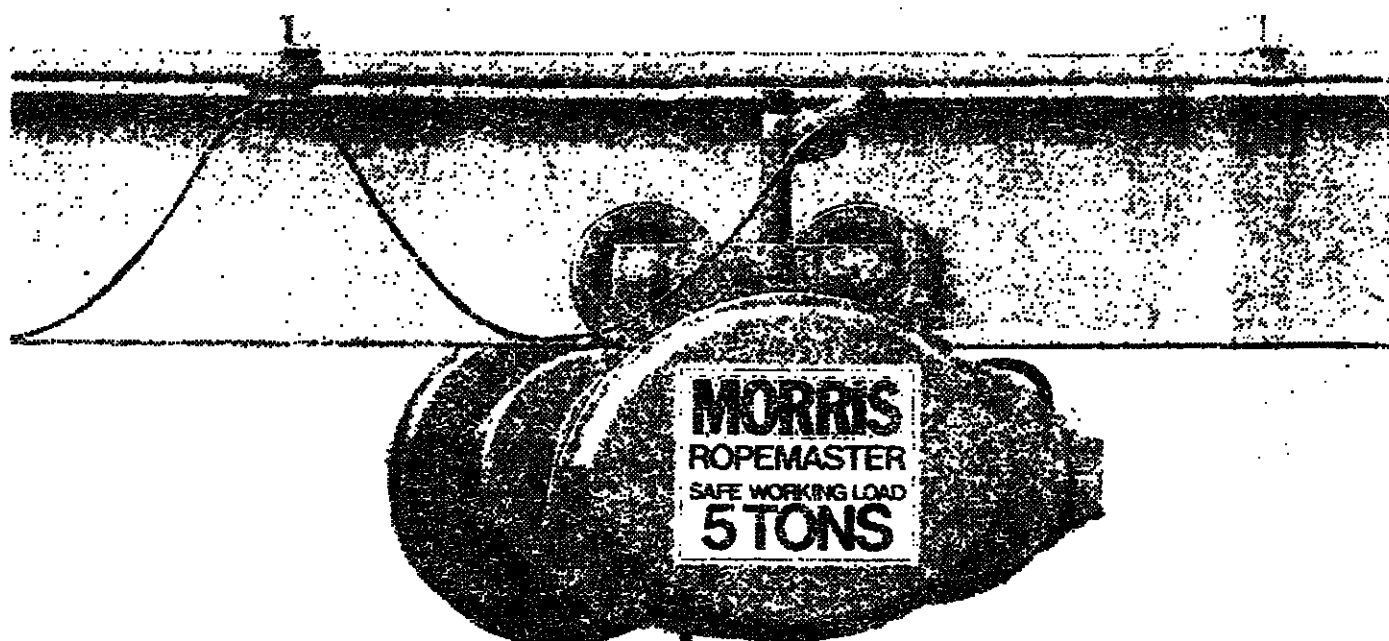
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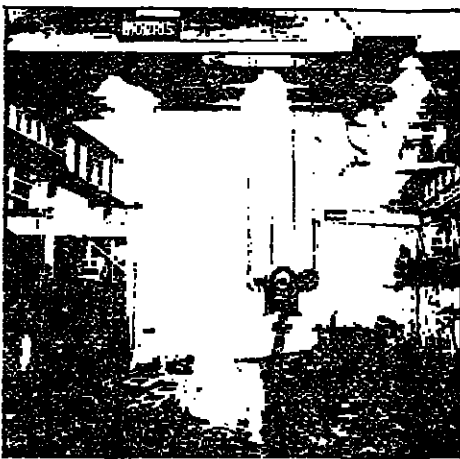
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IRAN VIII

Development of the steel industry is a central plank in Iran's economic planning. The industry will be based on the gas reduction of iron ore, thus exploiting the abundant supplies of cheap gas. But for the next few years dependence on imports of steel is likely to increase further.

Steel industry

DURING A year in which a number of industries have marked time and the award of contracts has been delayed, the steel industry has been an exception. In spite of some delays, Iran's plans to establish a major steel industry are beginning to take shape. Contracts have been awarded for a third and fourth steel mill while the existing complex at Isfahan is expanding and the first unit of the new Ahwaz plant is due on stream in November. Clearly the steel industry has been singled out as a priority sector and the Government's financial problems will not affect its development.

Like most other development targets in Iran, the Government's intention of producing some 15m. tons within the next ten years has been termed ambitious. Given current production of 1m. tons it does indeed seem a huge step forward, especially as the industry is in effect little over three years old. Yet if Iran is to begin to meet its internal needs then production targets must be of the order of 15m. tons by the mid-1980s.

Underlining the pace of development in the economy during the past two years, steel consumption rose from 2.2m. to 4.5m. tons by the end of March. In the coming year consumption could touch 5.5m. tons, even with the much slower pace of the economy. This doubling of consumption in two years has been accompanied by a sharp shift in the pattern of consumption. Two years ago roughly 1.2m. tons consisted of long products, and 1m. tons flat products. Now the proportion is more or less 50-50. Experts reckon that consumption will rise at about 20 to 25 per cent. a year, so Iran will absorb over 50 per cent. of projected capacity and still be importing some special products by the mid-1980s. Imports of steel products are now costing the balance of payments some \$1.5bn., thus the priority given to the development of a steel industry is understandable.

Iran is the first of the developing countries to opt for development of a steel industry based largely upon the technologically advanced method of gas reduction of iron ore. Despite the high technology involved, it seemed logical to exploit the abundant supplies of readily available and cheap gas. Thus, although the first major steel venture was the traditional Soviet-built Aryamehr works at Isfahan, all the three subsequent plants planned or under construction are based on gas reduction. So also is a further steel mill on the drawing board. Total investment in the three gas reduction plants, including related infrastructure, is likely to be over \$5bn. in the next five years. Iran is only spending larger sums on nuclear power installation and the oil industry. The gas reduction plants are all to be owned and controlled by the State National Iranian Steel Industries Company, NISIC. The Aryamehr complex at Isfahan is run by another State company, the National Iranian Steel Company (NISCO). The State involvement in the industry is limited to the production of steel, while the private sector has been encouraged to enter lower down the scale with such ventures as the pipe rolling mill at Ahwaz.

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Work is already advanced on the gas reduction plant at Ahwaz, which will have a capacity of 2.5m. tons of sponge iron. The \$650m. plant will, in fact, be a testing ground for the two known technologies of gas reduction plus a third as yet untried one. This is the Thyssen Purofer process. Thyssen has reportedly agreed to install the unit, securing full charges in the event of its failure. However, engineers are fully confident that it will prove successful, and it is due to come on stream in November with a capacity of 300,000 tons. This will help feed the existing facilities of the private sector at Ahwaz. The two other units

Testing

at Ahwaz will use the Midrex-Korf process (1.2m. tons of sponge iron) and the HYL process (1m. tons), the latter two coming on stream in 1977 and 1978 respectively. Initially the Ahwaz complex will employ Swedish ore, but by 1980 it is hoped to switch to India for supplies. By this time NISIC hopes it will be able to begin activating the 20 year ore supply agreement with India, bringing 7.5m. tons a year from the Kudremukh mines. The next most advanced project is that for a gas reduction plant at Isfahan to be built with project management and technical assistance from the British Steel Corporation. Agreement was finally reached last month on this \$1bn. project. The project has gone through a certain amount of change, having been originally intended to produce flat products; but it was then switched to long products. Total capacity will be 1.2m. tons of liquid steel, with a completion date of 1980. The site has already been selected and tender for the work is expected shortly. The third gas reduction plant, at Bandar Abbas, though the agreement was signed last year, has fallen further behind. This is a huge project costing \$3bn. to include a plant with a 2.8m. liquid steel capacity, a new town, port infrastructure and a desalination plant. The contract has been awarded to Finisider, the steel operating company of Italy's State holding company IRI. Progress has been slow because the site which was selected turned out to have a geological fault and was in a zone of high seismicity. The Bandar Abbas plant is designed among other things to supply Iran's growing automotive industry. Apart from these projects, there has been little further progress in preliminary discussions begun over a year ago with a West German consortium composed of Korf, Klockner, Krupp, Slazgitter and Mannesmann for a 3m. ton plant either at Kanavan (where there are huge gas fields) or Bushire.

Exports

It seems that for the time being NISIC has more than enough to cope with, and a fourth complex would only be designed for export. As it is there are formidable infrastructural problems to cope with. For instance, the iron ore deposits of Gol-e-Gahar have to be exploited (linked by a new rail road under construction) in order to supply Isfahan's needs and at least part of the requirements of Bandar Abbas. There are also problems of co-ordinating the supply of water and

electricity (which is holding up the Thyssen unit at Ahwaz).

While the emphasis for new plant is firmly on gas reduction, the traditional blast furnaces of NISCO at Isfahan will also be expanded. Capacity is currently being boosted from 700,000 tons to 1.9m. tons—it is hoped that it will be ready by the end of the year. Then longer term there are agreed plans to raise capacity to 6m. tons. But the plant is still not without its teething problems. Commissioned in 1973 it experienced some difficulty in getting the right mix of coking coal, but now there are said to be some unresolved technical problems.

related to the East German made rolling mill.

All this means that by now and 1980 Iran's dependence upon steel imports must increase. At this stage it is realistic to forecast when sufficient could be achieved. There is no pretension that requirements for special steel will be met. A modest attempt has been made to meet some steel requirements by an agreement with Creusot-Loire to build a \$200m. plant at Ahwaz. Initial capacity will be 1.2m. tons of forgings and castings. These will be destined for the motor industry.

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IRAN IX

With the realisation that oil revenues will not last for ever, Iran has made strenuous efforts to develop an efficient industrial base. However, the enormous rise in domestic consumption has diminished hopes of export earnings, and high wage costs are also causing concern.

Industry

THE CENTRAL tenet of Iran's capacity. Indeed it is becoming increasingly apparent that financial constraints, coupled with the inevitable delays in project implementation, will prolong the process of import substitution. At the same time the tremendous surge in domestic consumption, greater than foreseen in nearly every sector, means that production will be absorbed by local demand, leaving little if any significant export capacity. This is likely to be the case with the infant steel industry, let alone export

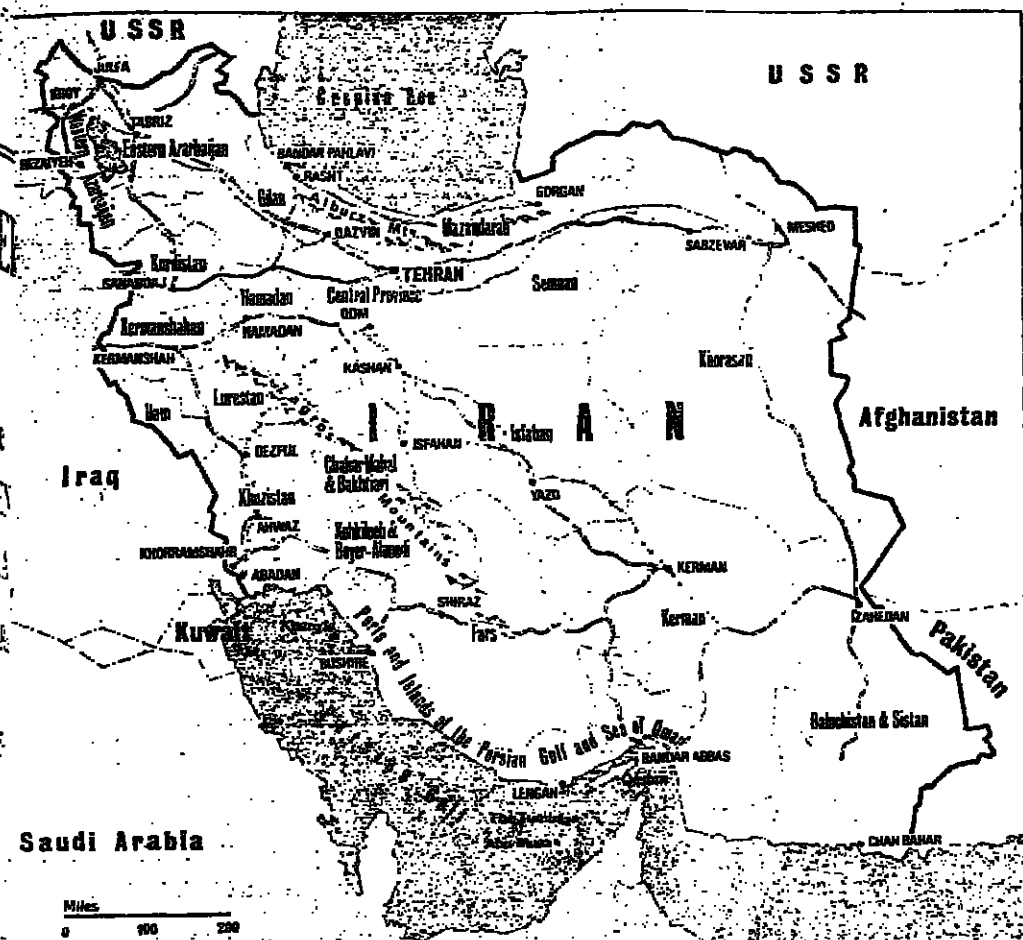
petrochemicals industry, but certainly so in the automotive sector, machine tools and construction materials, which are the main pillars of the industrialisation programme. Last year industrial production rose by an average of 23 per cent., while consumption rose even higher. The demand/supply equation has become all too evident in the black market prices paid for items such as bricks and cement. Local manufacturers cannot produce fast enough to meet demand.

67,000 saloon units were produced and sold (often with a black market mark up to avoid three to five months waiting lists), but another 65,000 odd units were imported. This year, even with a total increase in production to over 120,000 units, at least 35,000 units are expected to be imported.

Or take the case of steel consumption. In two years it has moved from 2.2m. tons to 4.5m. tons, and this year it is expected to increase some 22 per cent. to 5.5m. tons. At best domestic production will be doubled by 1977 to around 1.9m. tons. But then there will be no new capacity until the early 1980s, which will be absorbed immediately it comes on stream.



The Iran National assembly plant, which produces the Peykan saloon, a version of the Hillman Hunter.



Fertilisers

The same is true of certain aspects of petrochemicals. Local demand for fertilisers is increasing at around 25 per cent. a year even though the agricultural sector is facing problems. On this basis the Plan target of achieving a 1.7m. tons fertiliser capacity by 1977-78 would all be absorbed locally.

This question of the local market absorption has been one factor troubling the start on the giant \$2bn. venture between the National Petrochemical Company and a Japanese consortium to build a complex to produce the twin building blocks of the petrochemical industry, olefins and aromatics.

So the message is very much that Iranian industry's main concern over the next five to seven years is to keep pace or catch up with domestic demand. This is a change of emphasis even from two years back when both Iranians and prospective foreign partners were envisaging a substantial proportion of production being earmarked for export. Indeed the Government at the time was anxious to make this an

understood condition of investment.

The major exception to this picture will be the copper mining industry. Work is currently well advanced on preparing for exploitation the Sar Cheshmeh copper mines in the south near Kerman. Start up is due in mid-1978 with an annual output of 200,000 tons of blister copper. Local consumption of copper is currently running at 35,000 tons a year but is liable to double in five years time.

Even so it is anticipated that export earnings, without any processing to achieve added value, could be \$300m. a year. The importance of this project also lies in the base it will provide for a whole series of ancillary industries like copper wiring and tubing.

Industry is gradually acquiring a greater share in the GDP, but if one excludes the oil industry it still only makes 15 per cent. Of this manufacturing and mining are responsible for almost 10 per cent. and construction another 4 per cent. The key sectors being developed — both capital intensive — are steel and petrochemicals. Steel

is treated in detail in a separate article. Total investment for steel over the next five years will be some \$5bn. For petrochemicals the figure will be at least \$4bn. Generally speaking neither the public nor private sectors have opted for labour intensive industries. This stems from the belief that oil revenues will provide the necessary financial support, and equally important, from the already high cost of labour.

The high cost of labour is going to be an increasingly important factor in determining both the nature of industrial investment and the competitiveness of Iranian products. The surge in public and private spending in the past two to three years has given a tremendous inflationary twist to wage/salary costs, further pushed up by the scarcity of skilled and semi-skilled labour. Wage costs on average went up 35-45 per cent. last year. In the larger concerns a profit sharing bonus equivalent of up to three months wages was also paid out. This year wage increases so far agreed by such pace-setting companies as Iran National, the

biggest automotive company, are between 25 and 30 per cent. higher.

Problem

Many industrialists fear that already these high wage costs, which show no sign of levelling off, will seriously affect the competitiveness of potential Iranian goods in export markets. In fact this is probably going to be the country's greatest single problem in the industrial sphere. Other costs like the import of finished and semi-finished items or raw materials for incorporation into local assembly are inevitable for any infant industrial structure; and Iran is no exception. Imported steel, for instance, for the motor industry has gone up 40 per cent. in three months.

It is also perhaps inevitable that initially industry should have a low productivity record, which, of course, makes the wage bills even more unacceptable. For instance, it has been calculated that it takes 45 man hours to assemble the GM Chevrolet Iran, while in West Germany the same car is pro-

duced in 25 man hours. Unless there is a relatively quick switch to all local manufacture and unless productivity is improved these become heavy burdens — which can only really be alleviated by high customs tariffs.

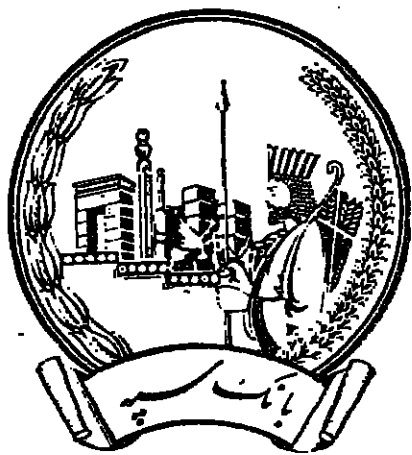
Yet over-protection of local industry can be counterproductive, concealing or cushioning poor management and making exports more difficult. The Government does seem conscious of this, but equally it is hard to see the high protective barriers round such industries as furniture making, domestic appliances and automobiles coming down in the short term.

Arguably these factors mitigating against the establishment of a strong export orientated industrial base by the 1990s could be influenced by Iran's greatest single asset: availability of cheap energy. But the cost and productivity problems which Iranian industry now faces mean that the advantage of cheap energy cannot be taken for granted.

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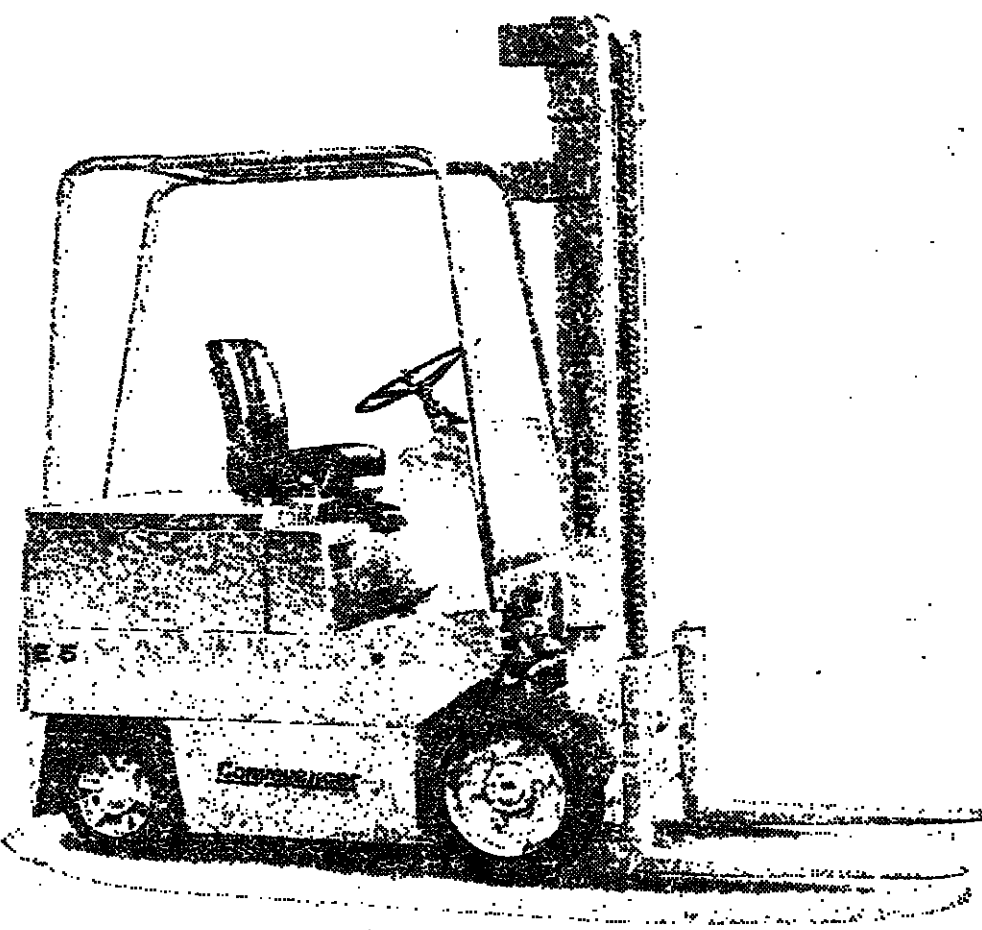
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IRAN X

Budget restraints have had no effect on Iran's military expenditure. The build-up of a strong military force remains one of the Shah's top priorities. Current foreign policy is paying greater attention to improving relations with the Arab neighbours in the Gulf.

Defence/foreign policy

MILITARY expenditure in the current year March 1978/79 as published in the budget amounts to \$8.1bn. (on an exchange rate of rials 69.40 to the dollar, the rate prevailing at the time of the budget). This accounts for 27 per cent of the general budget and represents over 12 per cent of GNP. Few countries not at war have such a high expenditure: and the concealed expenditure is almost certainly higher — perhaps by as much as 15 to 18 per cent.

The accompanying table shows the broad areas of disbursement. But as can be seen there is no reference to construction or military industries. A careful scrutiny of the budget reveals that under the heading of public affairs a sum of \$1.7bn. has been allocated for government buildings and construction — a 66 per cent increase over the previous year. Most of this is for fixed capital investment. It is believed that some 70 per cent of this figure, or \$1.2bn., covers military construction activity — new air and naval bases, expansion of army buildings plus housing and related infrastructure. Elsewhere in the budget there is \$106m. allocated to the Military Industries Organisation for expansion of the electronics industries, ordnance and vehicle assembly.

Thus, the total military expenditure — if taken up — is nearer \$9.5bn. for the coming year. In the past there has been no way of checking on whether the military budget has been overrun or underutilised. But the feeling is that it is fully utilised. Among the major items of ongoing expenditure are payments for Grumman F-14 Tomcats, Chieftain tanks (the first batch of 664 is almost delivered and a new contract for 1,200 with a larger 1200-hp engine is expected to follow), an advanced version of the Rapier missile, frigates from Britain and destroyers from the

DEFENCE EXPENDITURE

(under defence allocation in general budget—\$m.)

	74/75	75/76	76/77
1. Supply, production renovation, principal inspection ...	3,500	5,192	4,824
2. Personnel	812	1,095	1,827
3. Maintenance operations	493	613	764
4. Special operations	633	636	658
5. Other	43	64	64
Total	5,501	7,600	8,197

For 1974-75 the exchange rate is \$=67.50 rials; for the other two years \$=69.40 rials.

U.S. Current foreign exchange of shipping and offshore exploration.

It seems that Iran has by no means begun to level off its demand for military hardware. But it soon must become a question of how these requirements can be paid for, even if the defence sector receives a substantial slice of the general budget. The question of payment has been underlined by preliminary discussions with the U.S. on the idea of bartering oil against the supply of aircraft from General Dynamics (F-16), McDonnell Douglas/Northrop (F-18) and Boeing (AWACS—Airborne Warning and Control System). Over 300 aircraft are said to be involved. Those familiar with both the arms and oil industry are still very sceptical that such an arrangement would prove workable. On the other hand, most believe that one way or another Iran wants to acquire this costly hardware.

The country's cash problems have already set in motion a fairly vigorous cost accounting within the armed forces; and despite the priority accorded to the military some projects are being re-examined. Work has been slowed sharply on construction of the new naval and air base at Chah Bahar on the Indian Ocean and the project, which involves Costains and the U.S. group Browne and Root, will almost certainly be trimmed. The Government also cancelled the order for two of the Spruance-class destroyers from the U.S. after the cost per vessel had escalated from \$234m. to \$338m. This cancellation means in the medium term that Iran's ambitions to police the Indian Ocean have been diminished. (There are also questions of the navy being able to absorb all the equipment ordered, as absorption has been slower than anticipated.)

Powerful

The Iranian argument for such a big military build-up is quite straightforward. As a country of nearly 35m. with aspirations to industrial power it needs powerful modern armed forces, both as a reflection of its own importance and as a means of safeguarding its own security. Policy is based upon the *tois-azimuts* theory—that is, that Iran must be ready to defend itself against all-comers, rather than one specific threat. But even on this basis, particularly discounting any credible Iranian defence against Soviet attack, Iran appears to many of its neighbours as possessing more weapons than it needs.

The Iranian answer to this is that its armed forces, with their sophisticated equipment, are intended to act as a deterrent, and they have to look as impressive as possible so long as the country lacks nuclear weapons. In addition, with so much equipment Iran can play a more important role in both inside and outside the region (with of course the consent of the original supplier of the equipment). In this way already Iran has given hardware to Jordan, Pakistan and Morocco.

Iranian strategists are concerned with three main threats to the country's security: instability in the Gulf, particularly a radical change in Saudi Arabia; a break-up of Pakistan; and a move by Afghanistan closer towards the Soviet Union. State (Iran itself has 600,000 Baluchi-speaking nationals) in a is anxious to prevent the destabilising factors of the Arab/Israeli conflict spreading and in the East to come to terms with Indian power and influence. Much effort has been put into improving relations with Arab neighbours in the Gulf. A final years, and Pathan separatism agreement on all details of frontier demarcation and navigation has been reached with Iraq. There has been, in the past 12 months, an upsurge of contact with the Gulf States including a State visit by King Khaled, and a visit by the Prime Minister, Mr. Abbas Hoveida, to Bahrain (claimed by Iran March 1975).

The Shah has pressed hard for acceptance of the idea of a Gulf security pact which would bind the States of the region to mutual self-help and establish a framework for regional co-operation on such matters as pollution, protection of shipping and offshore exploration.

Relations with Pakistan pose more of a problem. Iranian officials fear the possible consequences of a break-up of Pakistan, and are concerned at the continued inability of Pakistan to cope with the problem of Baluchi separatism. To stamp out Baluchi dissent there has been cross-border military co-operation. Iran cannot afford to see a separate Baluchi state (Iran itself has 600,000 Baluchi-speaking nationals) in a strategic area giving access to the Indian Ocean.

Afghanistan has also been a continuing preoccupation. Since the Daoud coup remarkably little has been done to accelerate development in the past three years, and this reason the Iranians are clearly pleased by the rapprochement between Pakistan and Afghanistan. But Iran is keeping a close watch on events along this border — and it now has more time to do so following the treaty agreement with Iraq in 1975.

If one accepts that Iran is willing to safeguard its interests (either directly or indirectly) then it still remains militarily relatively unproven. Its expertise is limited to support for the Kurdish rebellion against Iraq, covert help to the Pakistan

Government in Baluchistan and the presence of up to 2,000 troops in Oman for over three years. The Oman operation has proved a valuable testing ground for Iran (and has been recognised as such with over 100 rotation of units). The main defect of their forces in Dhofar has been lack of initiative among junior officers and NCOs, coupled with inexperience.

In this respect it is important to bear in mind a point which emerged at a conference held last year on the Gulf and the Indian Ocean in international politics. An Iranian speaker was taken to task for talking of Iran having "one of the most modern" navies in the world. The speaker was told "a modern ship does not make a modern navy. A lot of development, infrastructure, skill and training and experience are required to make any navy another way, just because it is acquiring sophisticated equipment does not mean to say its military force is effective. The effectiveness of its military machine what now has to be developed otherwise Iran's strength, paper might not have sufficient deterrent value to ensure regional importance if we like to have."

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Iran has an ambitious nuclear programme to provide half of its energy needs by the 1990s. But second thoughts have emerged in the light of the international oil situation and the technical problems involved.

Nuclear energy

PERCENTAGE SHARES OF PROJECTED GENERATING CAPACITY

Source	73/78	78/83	83/88	88/93
Nuclear	—	20.0	40.8	52.1
Hydroelectricity	32.8	22.3	27.9	22.8
Thermal	39.0	47.5	24.9	14.0
Gas Turbine	25.6	9.9	4.9	3.3
Diesel	2.4	—	—	—
Other	—	—	1.3	7.5
Total (MGW)	4,814	16,951	37,216	66,019

Iran HAS been the first of the leaves in the Caspian and Gulf producers to think in terms of alternative sources of energy to preserve as long as possible its valuable resource. It has accordingly embarked upon a programme of power generation based upon the central assumption that between now and the early 1990s rapid installation of nuclear power stations will result in nuclear energy providing over 50 per cent of the country's needs.

When the nuclear programme was first announced two years ago, it seemed as though oil prices would rise faster, and as drive to find alternative sources of energy by the consumers would be more determined and much quicker. The idea of a nuclear choice by Iran seemed, in this light, entirely understandable. Yet now, with the slackening trend in oil prices and the prospect of increasingly sensitive interplay between supply and demand on prices, Iran's nuclear option is being seen in a different light. As one foreign scientist put it: "Iran's nuclear programme is more of a philosophical statement on the need to have an alternative source of energy. I don't think it has been based upon very practical considerations of the country's economic and physical capacity to absorb such a programme."

The outline nuclear programme envisages the installation of 23,000 MGW capacity by 1993/94. This would account for 52 per cent of total generating capacity. By any standards this is a formidable target testing both technical and financial capacities to the full. However, in Iran there are particular problems to come to terms with apart from these two factors. This applies especially to site selection and construction.

The tremendous water needs of a nuclear plant inevitably mean that Iran's generally arid hinterland is unsuitable. The whole area inland with suitable water facilities is the Karun River which runs through the main oil centre of Abwaz. This

allocation. As it is the full cost of the first German reactors has yet to be finalised. These four plants are probably as much as the Atomic Energy Authority can cope with at the moment. Yet the Authority will have to construct as many as three reactors every two years if the target is going to be met of 23,000 MGW by 1993-94.

Despite the priority accorded, it already seems that there is some slippage. For instance, progress in negotiations with the U.S. for the supply of at least eight reactors is well behind schedule. Political objections apart, the Iranians have fallen foul of an unwillingness on the part of companies like Westinghouse to become involved in projects which comprise more than just construction of the plant but a whole range of related infrastructure. Indeed the Americans are reportedly quite happy to sit on the sidelines and learn from the mistakes made by the French and the Germans.

There are also serious questions raised by foreign observers on the viability of an energy policy centred so firmly on nuclear technology. It seems that few studies have really been made to evaluate the relative cost of producing nuclear energy against traditional sources of power from hydro-electricity, oil-fired power stations or gas turbines. Taking into account nuclear costs of construction and transmission and balancing these against utilisation of both oil and gas, several foreign experts believe that such a high dependence upon nuclear power is not to Iran's advantage. And this does not take account of Iran's ability to foot the bill. At current prices this will be something like \$12.6bn. by 1993-94. This is an enormous sum.

Indeed it would seem to make much more sense to rely on gas with nuclear energy less prominent. Already Iran is making greater use of gas in replacing oil (which currently accounts for 81 per cent, of 0.3-0.5 per cent, is considered energy needs). Iran is second

only to the Soviet Union in its gas reserves. Recent discoveries could even give Iran the largest single gas reserves in the world. A power system based upon gas is much cheaper. Implicit recognition of a greater emphasis on gas can be seen in the decision to build a huge 1,760MGW complex on the Caspian using gas from Sarakhs in the north east. Originally the station, to be sited near Neka, was to have been a nuclear plant.

Gas will also be utilised as cheap energy for such energy-intensive industries as steel manu-

facture by direct reduction, or as for local consumption—and the extent to which the price is subsidised and matches the eventual unit cost of nuclear power.

As regards the use of oil, policy has not changed since 1973 and the quadrupling of the price. The Shah has repeatedly stressed his view that "oil is a precious material and should not be used for thermal purposes. This valuable material should be devoted to more profitable uses as feedstock to the chemical and petrochemical industries. In short the country

has to make the most of this wasting asset." The development of the petrochemical industry and the switch away from oil-fired energy systems is entirely consistent with this view.

In any event, Iran has to move fast to satisfy rapidly growing energy demands. Energy consumption is expanding at just under 20 per cent a year, and is outstripping capacity. This summer the capital, Tehran, is likely to be short of 300,000 kWh per day.

R.G. found in large enough quantities to justify the setting up of a special recovery plant. Substantial quantities of both lime and silica—which play a significant role in the copper smelting process—have also been discovered in the vicinity.

From the very outset it was clear that Iran had to look abroad for technical know-how and expertise. Initially the big mine was in the hands of the private sector—Iranian Selection Trust, a 60-40 joint venture company that was made up of Selection Trust and Consolidated African Selection Trust, with Mr. Mahmoud Rezaei and the Kerman Mining Company on the Iranian side. The deal fell through, however, when the British-based company proved unable to raise the necessary financing, and in 1972 Sar Cheshmeh was launched as a fully Iranian undertaking. Anaconda was later chosen to provide technical services, with Parsons-Jurdon coming in to build and handle the concentrator and smelter complex.

Accustomed to thinking big, the Sar Cheshmeh Copper Mining Company is now planning to make greater use of its growing cadres of engineers and technical experts. A bill expected to be shortly enacted by the Majlis will authorise the company to handle copper other than that belonging to its own mine.

The Bill was prompted by the recent discovery of sizeable deposits of copper outside Yazd in central Iran. If and when the two mines at Meduck and Darrehzesh go into operation the copper will be sent south for refining at the Sar Cheshmeh complex, where capacity can apparently be increased with little effort. Other exploration and exploitation work could conceivably follow.

A name change is also planned: in July, the Sar Cheshmeh Copper Mining Company is scheduled to be rechristened the National Copper Company of Iran.

Sar Cheshmeh is proving rich in other metals as well as copper. Molybdenum, a metal used in special steels, has been

One of the world's richest copper deposits is in south east Iran. Eventually it will make the country self-sufficient, but there have been delays in bringing the mine to production.

Copper mining

The life-span of Sar Cheshmeh is currently reckoned at anywhere up to 30 years. Much of course will depend on the 500m. tons or more of underlying ore, which is thought to have a copper content of 0.9 per cent.

In common with many areas of the Iranian economy, the Government-owned Sar Cheshmeh Copper Mining Company has suffered its share of setbacks during the past 12 months. Chief among these has been congestion at the southern ports, the unexpected rise of total investment to some \$1bn. and on-site training programmes which have delayed construction.

Instead of opening in early 1977, as originally forecast, Sar Cheshmeh is not likely to go into production until as late as winter 1977 or possibly even spring 1978.

Current plans call for 45m. tons of mineral to be mined during the first year. Because of the huge amount of waste covering the mountain, only one quarter

will be made up of ore. Electric shovels have already started digging into the big mountain, and small quantities of ore body are now being stockpiled.

Waste With the gradually decreasing ratio of waste to ore, mining operations of only 30m. tons are planned for the second year. At a much later date mining operations will again pick up as the ore grade declines.

The importance of Sar Cheshmeh can, perhaps, be best illustrated by Iran's growing appetite for copper. Consumption now stands at between 30,000 and 35,000 tons each year, but within five years this figure is expected to more than double to 85,000 tons or more. Per capita consumption of copper may well reach eight kg. by 1985.

In addition to saving the country valuable foreign exchange, Sar Cheshmeh will

make Iran self-sufficient in copper and, initially at least, a net exporter. Revenues will, of course, depend largely on international copper prices. After a poor period over the past couple of years, copper is now picking up and last week reached nearly \$900 per ton on the London Metal Exchange.

Iran's relatively late arrival into the world of copper mining has been given a large boost by new technology. Initially the production of blister copper at Sar Cheshmeh was put at an annual 145,000 tons. But thanks to the development of PRC (Periodic Reversal Current), output is now expected to rise to 200,000 tons. A year after the blister plant goes on stream an electrolytic refining plant will come into operation that further refines the ore to almost 100 per cent copper.

Sar Cheshmeh is proving rich in other metals as well as copper. Molybdenum, a metal used in special steels, has been

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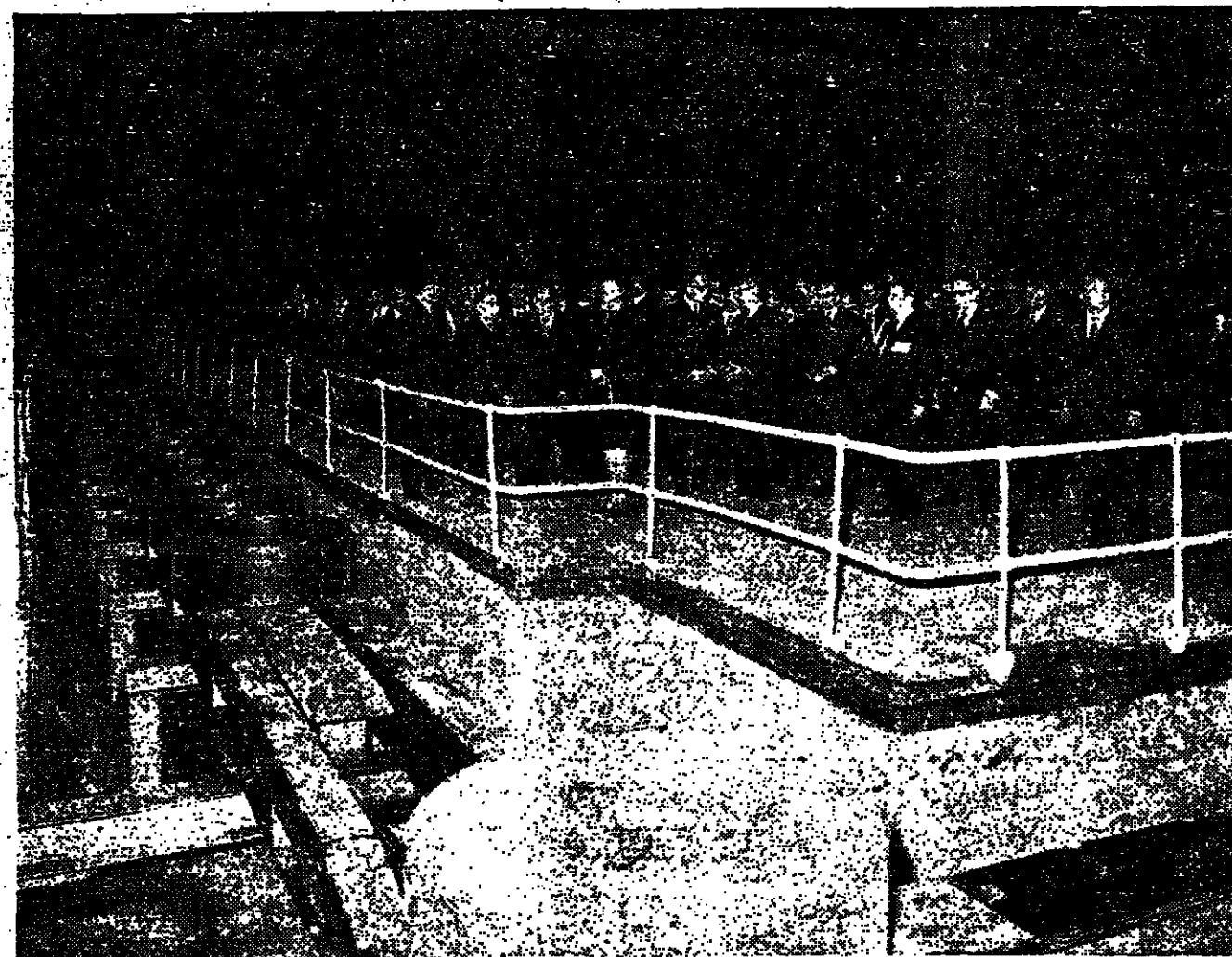
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THE ROLE OF ARPCO, AS A PRIVATE SECTOR COMPANY, IN IRAN'S STEEL

PRODUCTION PROGRAMME



At the opening ceremony of the ARPCO Rolling Mill Plant, by their Majesties the Shahanshah Aryamehr of Iran and Empress Farah

Extracts from a speech by Mr. Said Hedayat, Chairman of ARPCO:

In December, 9 years ago, when the Ahwaz Rolling and Pipe Mills Company was formed for the establishment of a strip mill and pipe plant in the private sector, no one could believe that such extensive steel production projects would be carried out by the Iranian public and private sectors.

In October 1971, ARPCO's Rolling and Pipe Mills came into operation at Ahwaz, with an annual capacity of 150,000 tons of hot coil strip and 40,000 tons of black and galvanised pipe. Less than 2 years later, the Mills' First Expansion Project was implemented, whereby as from early 1977 the present annual capacity of ARPCO Mills will not only be doubled, but other steel products such as flats and API 5L pipes will be produced to supply home and international markets.

1973 is an outstanding year in the development of Iran's steel industry: it was in that year that the Iranian Government determined to make full use of the country's gas resources for the production of steel through direct reduction. So, the National Iranian Steel Industries Company was formed, and Ahwaz, the capital city of Iran's gas and oil province, Khuzistan, was chosen for the DR Project: the plan for the annual production of 2.5 million tons of steel has been implemented and the construction work is on time and proceeding according to plan.

The time had now come for ARPCO in the private sector to implement, in turn, an extensive project parallel to the public sector, in order to convert the locally produced steel for NISIC into finished products, covering also ARPCO's own requirements of prime feed steel.

To this end, a huge project running parallel for a 1-million-ton Slabbing-Blooming Plate Mill was studied, and in March 1976 The Kaavian Heavy Rolling Mill Company was formed under the chairmanship of Mr. Said Hedayat with a capital of US\$28.5 million (2 billion rials), in which 50% of the shares are held by ARPCO, 20% by NISIC and 17% by the Industrial and Mining Development Bank of Iran, the remainder having been placed with banks, institutions and private investors. Orders for the supply of the Mill's equipment have already been placed with a number of European suppliers for scheduled deliveries within a period of 24 months. The Executive Project Consultants are F. W. Eske Consulting Engineers, of London and Dusseldorf.

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Herbert-Morris for Overhead Travelling Cranes

The Kaavian Mill will come into operation in 1979, simultaneously with the NISIC's Ahwaz Steel Complex. Therefore, ARPCO will no longer require to procure its primary material (narrow slab) from abroad.

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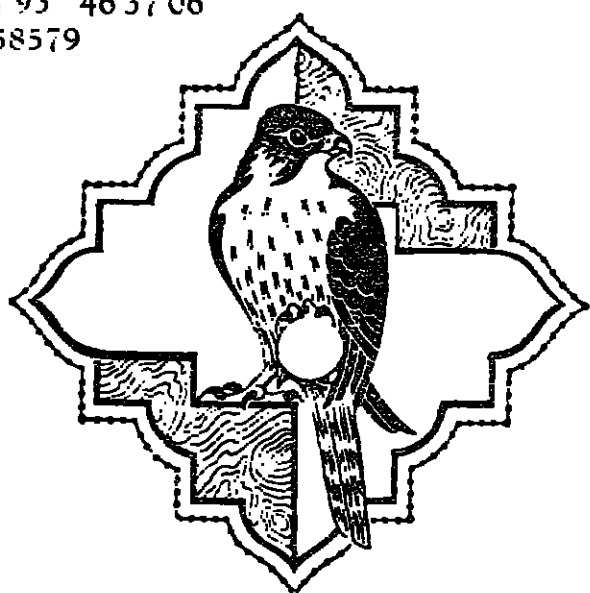
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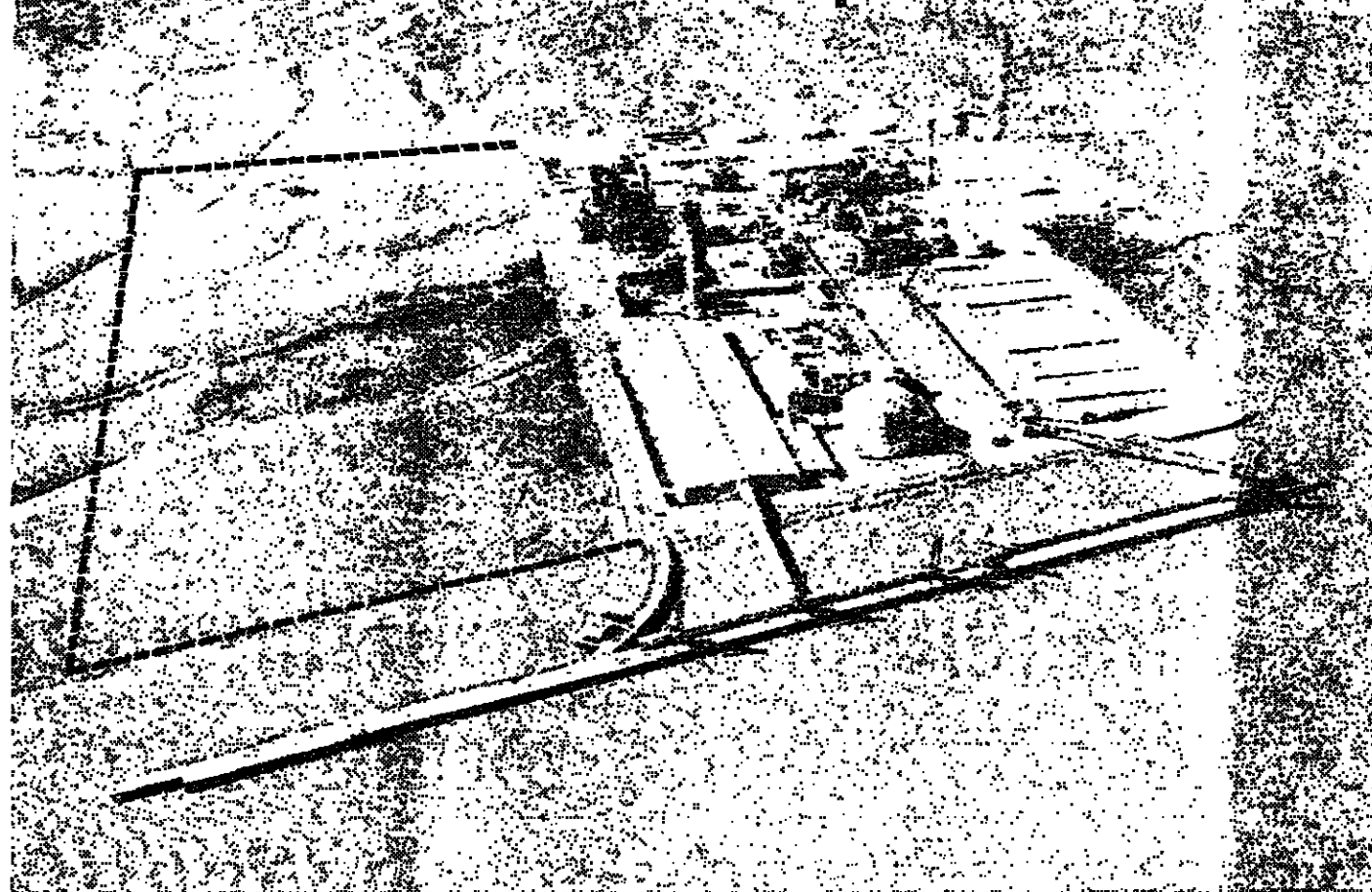
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Iran is using
**Kellogg technology to help
double its fertilizer capacity
at Bandar Shahpur.**



Pullman Kellogg's design technology and engineering expertise are again being used at Bandar Shahpur, Iran. Shahpur Chemical Company is doubling the size of a fertilizer complex Kellogg originally built there in 1971.

Kellogg International Corporation designed and engineered the new 1000 metric tons/day ammonia plant and

is furnishing all equipment. Kellogg Continental in Amsterdam supplied the design and engineering for the urea plant.

Kellogg and Iran have worked well together on refinery and petrochemical projects...some dating back 40 years. Kellogg not only provided engineering/procurement/construction ser-

vices at Bandar Shahpur in 1971, but project management as well. We also worked as a consultant—determining project feasibility, selecting optimum processes and assisting with project financing arrangements.

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IRAN XII

Iran's oil industry has had a difficult year, with lower demand leading to lower production levels. But demand for crude has now begun to pick up again, helped partly by price reductions. The National Iranian Oil Company has been busy reworking its international agreements.

Oil industry

THE PAST 12 months have not been easy ones for the Iranian oil industry. Production has fallen back sharply and demand for crude, especially the heavier variety, has been slack. Consequently liftings by the international companies who are members of the consortium have been down on the previous year, and the National Iranian Oil Company (NIOC) has experienced difficulty in its own direct sales. In addition the carefully arranged 1973 agreement between the consortium and NIOC, laying the basis for their future relationship, has proved unworkable in its present form, and the two sides have been trying for over six months to agree on a new formula.

But having said this, the prospects are now beginning to improve. Since March there has been an upswing in the demand for Iranian crude, part of the general upswing world-wide. And certainly Iran can look forward with reasonable hope of recovering the last year's 11 per cent. drop in production and 12 per cent. drop in exports. Last year's production averaged out at 5.30m. b/d against 6.02m. b/d in 1974. This drop compares with the average fall for Middle East producers last year of 10.4 per cent. enough substantial, it was nevertheless a smaller drop than Saudi Arabia's 10.9 per cent. or Kuwait's 19 per cent. The average production figure, in fact, tells more of the real story. Demand was reasonably steady in the first part of the year, when in anticipation of the OPEC ministerial meeting a price rise there was suggested as a September. Once use to last year's price increase had been agreed demand fell away very sharply so that by December production was only averaging 5.0m. b/d (20 per cent. below the 1974 average).

The other aspect of this fall in demand was—and still is—the difficulty of finding buyers for Iranian heavy crude, which the market felt was overpriced after September, particularly in view of the starker fuel oil needs among the industrialised countries. This problem has been at the heart of Iran's lower production and exports. Normally Iranian light crude (34 degrees API) comprises about 52 per cent. of sales and heavy (31 degrees API) 48 per cent. As the table shows this ratio has altered dramatically with the proportion of heavy crude sales dropping as low as 31 per cent.

Belatedly

Rather belatedly, and well after Saudi Arabia and Kuwait had adjusted downwards the price of their own heavy crudes, Iran followed suit in February. It knocked 9.5 cents off the price, bringing it down to \$11.40 per barrel. This reluctance to lower the price stemmed in part from a belief that a price cut would not necessarily encourage a proportionately larger demand to compensate, and partly because of a desire to wait for a solution to the whole vexed question of "differentials" within OPEC—that is, the margins applied to differing varieties of crude on either side of the Arabian light marker crude which take account of quality, product yield and transport costs. One might also add that, politically, Iran, which has traditionally pressed for higher prices, has been reluctant to concede a downward adjustment due to market forces.

Even this price was considered unrealistic by oil industry sources and Iran followed Kuwait and Saudi Arabia's recent example after the Bali OPEC meeting by making a further cut in its

heavy crude by 7 cents. Production is on the upswing again. The May figures stood at 5.6m. b/d against 4.9m. b/d in January. But the precise extent of demand will only begin to become apparent by around August, for the May figures were distorted by purchases in anticipation of a price rise in June (which of course did not occur).

Parallel with this upswing in production has been a steady rise this year in direct sales by NIOC. Last month NIOC direct sales reached the unprecedented high of 14 per cent. of the total. Thus NIOC direct sales now exceed the "stated quantity" laid down in the 1973 agreement. This year the "stated quantity" has been scheduled to average 800,000 b/d (compared to 450,000 b/d last year), but in fact last month's sales reached 760,000 b/d. However, in order to sell this quantity of crude, NIOC has been offering substantial discounts to clients. There are reports of credit terms being offered of up to 180 days. Although this may be exaggerated the discounts offered are nevertheless believed to be equivalent to between 8 cents and 12 cents per barrel. NIOC would almost certainly prefer to operate through a tidier system of differentials, which allowed a more flexible approach to market forces. It also has to be stressed that only 27 per cent. of NIOC's direct sales was heavy crude.

Liftings became a major issue with the Consortium companies earlier this year. The companies (legally known as Iran Oil Participants, registered in London) consist of BP (40 per cent.), Shell (14 per cent.), Exxon, Standard Oil of California, Texaco and Mobil (7 per cent. each), CFP (6 per cent.), and the Iricon group of independents (with the remainder). They were accused in January of falling short of their lighting commitment for 1975 by 14 per cent. The companies argued that they were merely responding to market forces—their 22 cent margin per barrel agreed in 1973 related to the official market price when in fact prices were much lower, and the margin was eroded. Now that demand has begun to pick up, the issue has become less contentious—indeed it seemed the accusation was designed more to find a scapegoat for the country's shortfall in projected oil revenues.

More fundamental has been the dispute between NIOC and the companies over investment. The 1973 agreement envisaged a 60/40 split on investment, with NIOC bearing the larger share. With margins eroded on sales, the companies have become concerned by their heavy investment commitments which are running at around \$400m. a year. Since January the companies have stopped all investment payments (about \$30m. per month), and these are now being borne by NIOC until a settlement. There is general acceptance that the new agreement should follow the principle of NIOC providing investment funds and the companies being paid a service fee in the form of a discount on crude purchased. However, there is still a wide divergence as to the size of the fee. The companies have proposed 25 cents, NIOC under 15 cents per barrel.

The final outcome, it is recognised on both sides, depends upon the type of arrangement worked out between Aramco and the Saudi Government for 100 per cent. takeover. This will set the example. It has been somewhat frustrating for the Iranians in this respect to find themselves dealing with the consortium, which contains all the Aramco companies, and not have a firm indication of what is happening in Saudi Arabia. For the Iranians the lesson has been clear enough: the American majors who have a stake both in Aramco and NIOC are much more interested in Saudi Arabia.

Underlying the negotiations between the Consortium and NIOC is the realisation that Iranian oil is now moving into a new and higher cost bracket. Investment is currently running at over \$1.5bn. a year and must continue to do so if it is to cover the costly process of re-injection as well as continued exploration. During the Plan period of 1973-78, oil industry investment will be about \$7.5bn., of which \$2.5bn. will be for secondary recovery. No other OPEC member is having to invest so heavily to sustain production.

NIOC has also extended operations overseas. In the year agreement has been reached on a joint venture with Senegal for a 60,000 b/d refinery in the African State, as well as a private venture with the 80 Korean concern Ssang Yong a 60,000 b/d refinery in Oost. These two ventures are in addition to NIOC's existing plant in the Salsolberg refinery, Durban, South Africa, and Madras refinery. Few believe that NIOC will be content with this involvement overseas.

Of potential significance the continued discussions of the Italian State oil company ENI for a stake in its exploration and marketing operations. These talks have been going on now for over two years, a time scale receives different interpretations. On the one hand there are those who say this underscores Iran's lack in such a deal. Others maintain that there is no real need of interest and that the would merely stretch its resources at the present time. It was pressed by the ENI at the time of the energy summit but now the situation has evolved.

However, as evidence of Iran's desire to move into stream activities, agreement reached with BP in March year on the formation of a tanker fleet. Under the agreement BP sold three VLCCs, two product carriers from own fleet to NIOC for \$20m. and pooled the same number. Thus the total tank capacity of the joint fleet 1.3m. dwt. The deal fitted in because BP has been anxious to offload some of its extra tanker capacity, while NIOC has been seeking to build up its own. One side effect of this fleet will be a gradual move to ensure that Iranian crude shipped in vessels of the company.

Expense

Because of the enormous expense involved in sustaining productivity and the continued pressure to have oil revenues match economic development needs, NIOC is active in exploration through its joint venture operations (as well as the consortium through its Tehran subsidiary, Oil Service Company of Iran). Five new fields were discovered last year, none especially large. The plan envisages exploration expenditure of \$900m. in a consortium holding North Sea acreage, as well as offshore Greenland.

As regards downstream activities NIOC is now concentrating on coping with the rise in domestic demand, shelving for the time being at least two schemes for export refineries. NIOC reckons that 100,000 barrels/day (b/d) of refining capacity now has to be added every two years. The Abadan refinery is being expanded from 470,000 b/d to 600,000 b/d (to be again one of the world's largest), a new 80,000 b/d refinery is well under way at Tabriz, being built by Saam Progetti, another is being built at Isfahan by Flour with a 200,000 b/d capacity, and a 20,000 b/d topping plant is being added to Lavan Island; while de-bottlenecking at the Tehran refinery should raise capacity to 225,000 b/d. These projects will cost upwards of \$1.4bn.

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COMPANY NEWS + COMMENT

Robertson Foods peak capital programme

MR. C. ROBERTSON, chairman of Robertson Foods, believes that the present financial year will show an improvement on 1975-76, due to maintaining an extremely competitive pricing policy in order to continue increasing market shares and maximising production.

Furthermore, it is hoped that better margins will be obtained in the coming months, he adds. As reported on May 27 group pre-tax profit for the year to March 31, 1976 increased from £2.11m. to £2.74m. on a turnover up from £41.81m. to £45.94m.

When viewed in the context of inflation, the results were a little disappointing, but the directors are interested not only in the short-term but also in the longer-term success of the group, says Mr. Robertson. The company now has a proven record in several diverse product fields and a major capital investment programme involving a record capital expenditure from resources will begin to show real benefits in two to three years' time, the chairman adds.

Year-end commitments totalled £1.98m. He points out that the directors took the view at the beginning of 1975-76 that with the likely fall in interest charges, and the reduction in sugar costs, prices of branded preserves and cake mixes should be reduced in order to increase brand shares and help to lift the total markets.

The jam and marmalade markets fell in volume but, due to the policy to reduce prices, Robertson's volume sales have remained the same as the previous year, thereby increasing market share to its highest level for some four to five years. A new thick cut marmalade, Robertson's Original Marmalade, has recently been launched, and is proving to be most successful.

Meeting Beckenham, July 13, at 10.30 a.m.

Hawthorn Leslie

R. and W. Hawthorn Leslie announces that due to uncertainties caused by impending nationalisation legislation and lack of any clear indication as to the method of assessing compensation

BOARD MEETINGS

The following companies have notified dates of Board meetings to the Stock Exchange. Such meetings are usually held for the purpose of considering dividends. Official statements are not available whether dividends concerned are interim or final and the sub-divisions shown below are based mainly on last year's results.

Y-O-DAY
Interim: J. H. Penner, Great Northern Insurance Trust, Arthur Lee.
Final: Arthur Lee, Great Northern Insurance Trust, Arthur Lee.

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Reliant Motor prospects

DESPITE a poor start the Reliant Motor Group should return to a modest profit for the current year, says the chairman, Sir Julian Hodge.

He stresses, however, that profitable trading depends entirely on the stemming of losses in the motor company.

Demand for the Scimitar is particularly pleasing, and additional markets are being explored in Europe.

But the short-term outlook for Hodge's company is not good, a position which could change radically if one or more of the larger contracts currently under negotiation should result in a contract.

As reported on June 17 a loss of £599,000 was incurred in the year to February 29, 1976, against a pre-tax profit of £505,000. Heavy losses at the motor company were mainly attributable to a fall in demand involving short-term working in the second half, in the light of which the comprehensive model-changing programme was greatly accelerated.

The heavy cost of the programme, and the lack of volume during new model introduction had to be borne over a much shorter period than would normally be planned, Sir Julian explains.

Meeting Cardiff, July 13, at 10.30 a.m.

comment
Reliant Motor, in common with the industry, has been faced with falling demand. But Reliant's position has been aggravated by the need for a product change, and the group has borne the costs of introducing a new small four-wheeled range, the Kitten, as well as revamping its existing three-wheeled Robins and up-market Scimitars. The "inevitable" losses that were forecast a year ago emerged at £9.8m, while the balance sheet has also considerably suffered. There is a new £750,000 five-year loan and a 51 per cent increase in the overdraft against a 25 per cent fall in shareholders' funds (ex-wood-will). The upshot is a jump in borrowings of 45 per cent to £2.9m, representing 214 per cent of shareholders' funds against 110 per cent a year before. The trading picture does seem to be looking slightly better, but any prediction of a return to profits this year obviously hinges on the motor division, where demand apart from the Scimitar, does not sound that encouraging. Understandably then the shares reflect market caution; at 87p they are not far off the 5p low point for 1975, and the market capitalisation is just £1.08m.

Hammerfest Intl. Trust
At the adjourned extraordinary meeting of Hammerfest International Investment Trust on June 17 resolutions to change the company's name to Aldermanbury Trust and to reduce the capital

by cancelling 24p per 25p share were approved.

Resolutions relating to the sub-division and consolidation of shares and consequential amendment articles were however not passed.

Discussions are continuing on the proposed injection of funds and acquisition of investments and a further announcement will be made in due course.

Utd. Spring holds first half profit
Reflecting improvement after a difficult first quarter, pre-tax profit of United Spring and Steel Group, Midlands-based spring makers and steel stockholders, showed a marginal rise from £151,000 to £157,000 in the half-year to March 31, 1976.

Providing the present recovery continues its progressive pattern, chairman Mr. D. Westwood sees no reason why the final results should not show an advance on the £201,000 pre-tax for the previous 12 months.

The net interim dividend, absorbing £41,000, is maintained at 0.42p a share. Last year's total was 1.182p.

While the spring division fared better than might have been expected, the steel division made only a minor improvement. Mr. Westwood says.

However, during the second quarter the spring division continued to improve its performance and the steel division benefited from an increase in demand.

Although the steel division was, to some extent, inhibited by the shortage of raw materials, the situation has improved and the division is now operating a normal full production schedule.

Full year earnings are shown to be up from 1.13p to 1.25p and the dividend is lifted from 0.405p to 0.435p net per 10p share.

Profits of £12,257 net on the sale of freehold property have been applied in writing down goodwill.

1975-76 1974-75 1973-74
Turnover 1,648,000 1,455,000 1,285,000
Operating profit 181,221 167,221 147,221
Interest paid 14,733 30,221 40,677
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Profit before tax 104,179 96,323 79,544
Current year tax 172 11,407 2,811
Carried forward 1,040 1,040 1,040
Profit after tax 104,007 84,916 76,733
Dividend 41,000 41,000 41,000
Profit dividends 63,007 43,916 35,733
Pre-tax dividends 1,308 1,308 1,308
Tax 64,709 42,608 34,425

1975-76 1974-75 1973-74
Turnover 1,648,000 1,455,000 1,285,000
Operating profit 181,221 167,221 147,221
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Pending dividends timetable

For the convenience of readers the dates when some of the more important company dividend statements may be expected in the next few weeks are given in the following table. The dates shown are those of last year's announcements, except where the forthcoming Board meetings (indicated by *) have been officially published. It should be emphasized that the dividends to be declared will not necessarily be at the amounts or rates per cent. shown in the column headed "Announcement last year." Preliminary profit figures usually accompany final dividend announcements.

Company	Announcement last year	Announcement last year	Company	Announcement last year	Announcement last year
AD Trol	June 14	Final 9.5%	Imperial Chemical	June 14	Final 12.5%
Admiral	June 14	Final 12.5%	Imperial Chemical	June 14	Final 12.5%
Admiral	June 14	Final 12.5%	Imperial Chemical	June 14	Final 12.5%
Admiral	June 14	Final 12.5%	Imperial Chemical	June 14	Final 12.5%
Admiral	June 14	Final 12.5%	Imperial Chemical	June 14	Final 12.5%
Admiral	June 14	Final 12.5%	Imperial Chemical	June 14	Final 12.5%
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Admiral	June 14	Final 12.5%	Imperial Chemical	June 14	Final 12.5%
Admiral	June 14	Final 12.5%	Imperial Chemical	June 14	Final 12.5%

Local Authority Investments

Local Authority loan rates were generally a little easier last week, but deposit rates for most periods continued to a general level of 11.5 per cent. Day-to-day credit was in short supply for the most part in the London money market, but following the recent dip in the money market, interest rates were placed during the week at a level of 11.5 per cent, to offer a yield 1 per cent lower than the previous week's batch.

Rate (%)	June 18, 1976
2 days' notice (deposit receipt)	11-11 1/2
2 years' notice (deposit receipt)	11-11 1/2
7 days' notice after one month (deposit receipt)	11-11 1/2
7 days' notice after three months (deposit receipt)	11-11 1/2
7 days' notice after six months (deposit receipt)	11-11 1/2
Mortgage at one month's notice after 11 months	11-11 1/2
Mortgage at one month's notice after 11 months	11-11 1/2
nominal terms 2-5 years	n.a.
2 years' mortgage	11-11 1/2
3 years' mortgage	11-11 1/2
4 years' mortgage	11-11 1/2
5 years' mortgage	11-11 1/2
6-10 years' mortgage	n.a.
11-30 years' mortgage	n.a.

* Rates are for sums not less than £20,000 and are subject to local variation and fluctuation. † Nominal. ‡ Shorter periods may attract higher rates than longer. n.a. Not available.

Public Works Loan Board rates

Years	Rate (%)	Rate (%)	Rate (%)	Rate (%)	Rate (%)
Up to 3	12	12	12	12	12
3 to 5	12	12	12	12	12
5 to 10	12	12	12	12	12
10 to 15	12	12	12	12	12
15 to 20	12	12	12	12	12
20 to 25	12	12	12	12	12

London tea sales

Tea	Price	Tea	Price	Tea	Price
Assam	12.50	Assam	12.50	Assam	12.50
Assam	12.50	Assam	12.50	Assam	12.50
Assam	12.50	Assam	12.50	Assam	12.50
Assam	12.50	Assam	12.50	Assam	12.50
Assam	12.50	Assam	12.50	Assam	12.50

RECENT ISSUES

Company	Price	Company	Price	Company	Price
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50

FIXED INTEREST STOCKS

Company	Price	Company	Price	Company	Price
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50

"RIGHTS" OFFERS

Company	Price	Company	Price	Company	Price
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50
AD Trol	12.50	AD Trol	12.50	AD Trol	12.50

INTERNATIONAL COMPANIES NEWS

Hochtief improves at home

WEST GERMANY'S largest construction concern has reported an improvement in the home market. This is not only good news for the construction industry as a whole, but will be greatly welcomed by branches such as steel and plastics which are heavily dependent on the building sector.

The Essen-based Hochtief's management is concerned in its annual report that the inflow of domestic orders during the opening months of the year were stronger than in the previous year. Building output in the home market was expected to rise during 1976 from DM3.9m. to DM7.5m. After dropping last year by 8.5 per cent, 14 per cent dividend is proposed to DM1.50n. (€36m.) last year, after 1974's 14 per cent, plus a 2 per cent golden jubilee bonus.

For 1976, the outlook abroad, particularly in the Middle East, remains encouraging. The group's ability to shift its emphasis to primarily domestic work to overseas operation has been impressive. Overseas building output last year rose by 70 per cent, to DM650m., which pushed up overall building output by 5.5 per cent, to DM2.7bn.

While orders at home last year remained depressed, overseas work was forced ahead. At the year end the order book stood at DM3.14bn., of which some DM1.85bn. came from overseas, while the home market accounted for DM1.29bn.

Losses at Gelsenberg

BY OUR OWN CORRESPONDENT FRANKFURT, June 20.

GELSENBERG, the oil company subsidiary of Veba, the West German energy giant, has reported substantial losses despite the success for last year of its oil refining sector.

The company's losses were calculated at 70 per cent. The while the company will not be paying its parent a dividend for 1975, independent shareholders will receive their guaranteed two-thirds of Veba's 12 per cent. payout.

The losses came mainly from the oil and chemicals sector, as well as the Gelsenberg fibres interest. Average capacity utilization in the oil refining sector was 71 per cent, but the company's losses were dropped by 8.5 per cent, to 6.08m. tonnes, petroleum products production fell by 19 per cent, to 458,000 tonnes. Turnover fell 7 per cent in DM3.2bn. (€731.3m.).

World Economic Indicators

Country	May 76	April 76	Mar. 76	May 75	% change on year earlier
U.S.A.	123.2	122.5	121.7	110.1	+11.9
Holland	121.0	120.0	119.0	117.0	+3.4
France	122.0	121.0	119.0	117.0	+8.0
Japan	122.7	119.7	117.5	108.3	+13.2
W. Germany	116.5	108.1	110.8	105.2	+10.7
Italy	120.8	123.6	113.0	114.1	+5.8
U.K.	102.1	101.1	101.6	102.0	-0.1
Belgium	108.9	104.9	103.0	111.4	-2.3

Money and Exchanges

Bank of England Minimum Lending Rate 11 per cent. (since May 21, 1976).

Short-term fixed period interest rates were fairly steady in the London money market last week, while day-to-day funds attracted very high interest rates on occasions in both the discount market and interbank sectors.

This reflected the very tight conditions in the market, with the authorities providing assistance by way of overnight loans of £100m. to the market. The repayments of advances on succeeding days tended to contribute towards the overall shortage.

The scale of help on Monday was exceptional, made up of very large loans to nine or ten discount houses and extremely large official purchases of Treasury bills and local authority securities on the open market.

Large assistance was given on the following two days, with moderate loans to one or two houses on Tuesday and to three or four on Wednesday. Moderate purchases of bills were also made on Tuesday and Wednesday.

Although only a small amount of help was given on Thursday, the market was generally short of funds at the close and one or two houses were reported to have paid up to 20 per cent.

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Work on options continues

AMSTERDAM, June 20.

REPRESENTATIVES of stock exchanges from eight European countries and of the Chicago Board Options Exchange (CBOE) have agreed to continue preparing plans for a European options market.

The agreement was reached at a two-day meeting here, they agreed on the principles of the proposals, which provide for setting up one European options association, membership of which would be open to members of the European exchanges and the CBOE.

Floor members in London and Amsterdam would be subject to a number of special conditions, but London as things stand now might decide membership of the London stock exchange would also be necessary for options floor membership there, the spokesman said.

MINING NOTEBOOK

Recalling what happened after Sharpeville

BY LODESTAR

THE UNFORTUNATE events in South Africa bring back vivid memories, because it was in Johannesburg when the Sharpeville shootings occurred in March 1960. I was glad to see the news of the 16th anniversary of the shootings in Salisbury, Rhodesia. There was an immediate tendency to write off the share market for a long time to come. The first three months of 1960 saw a 15 per cent fall in South African share values.

In May of that year I was recording a strong plea to the Government by the country's top business interests, including the Chamber of Mines, for an easing of apartheid policies. In June, however, the Government expressed that "sooner or later the magnetism exerted on money by highly attractive yields must come a strong market factor. If this stage has not yet been reached, it must be very close and economies rather than politics will take a hand."

In the event, the nadir of the share market was not reached until August. It was a gold-price shock that led to the subsequent revival. At the end of the year I was writing about uranium prospects and recommending that investors should be particularly qualifying in the view that buyers could have to exercise patience. At least it was subsequently well rewarded.

It is much less easy to express hopes that there will be such a quick return of confidence now. In the days of the Sharpeville shootings, the world's nuclear industry was in a state of confusion, not stirring the blood of southern Africa's black population. So the restoration of anything like investment normalcy could be much longer away.

A quick survey of stockbroking opinion has produced answers that are best summed up in the words of Williams de Broe, which considers the situation "sufficiently serious to advise against new investment in South Africa until calm is clearly shown to be established in the area, and prices have stabilised where we believe may be lower than the levels so far reached."

Uranium

One opinion over the weekend was that the shadows over the South African segment of the uranium market could serve to nourish mining investment interest in the Australian section. It was also thought that the revival of doubts about South Africa's long-term stability could make the world's nuclear industry increasingly reluctant to enter into 10 to 15-year contracts with the country's uranium producers, and thus enhance prospects of rivals in such other areas as Australia and Canada doing lucrative deals.

In Australia, the Vital Fox environmental inquiry drags on. As explained here before, Government permissions for uranium export depend on its outcome. The latest news has arisen over the commission's desire to make an overseas trip before reaching its conclusions. But at least there seems to be a chance that the report will be issued in two parts, which might speed that on the wider "issue" of the inquiry.

There are already 10,000 pages of evidence to sift.

The theory pronounced here, based on past experience, that Pancontinental always go on when the chairman of the inquiry is in London, once again proved true. They rose from £12 to £13 before falling back to £13. Of course, it was also a week when the share market was depressed, and the share price of Pancontinental was down to £12.50.

On a more cheerful note, the shares of Amstar, the 5.5 per cent holding which still ranks as a major ST asset, rose to £60 in New York on Friday. This compares with about £45 at the end of the last year. The share price of Amstar, the 5.5 per cent holding which still ranks as a major ST asset, rose to £60 in New York on Friday. This compares with about £45 at the end of the last year.

Please Mr. Healey

In the meantime, it is dispiriting to have to record that one of the last three remaining London jobs in South African gold shares, Stocken and Lazarus, has decided to leave this market. This is a blow to the South African gold share market, which has been the main reason for the share price of Amstar, the 5.5 per cent holding which still ranks as a major ST asset, rose to £60 in New York on Friday. This compares with about £45 at the end of the last year.

ENTERTAINMENT GUIDE

THEATRES	THEATRES	THEATRES	THEATRES
ALHAMBRA	ALHAMBRA	ALHAMBRA	ALHAMBRA
ALHAMBRA	ALHAMBRA	ALHAMBRA	ALHAMBRA
ALHAMBRA	ALHAMBRA	ALHAMBRA	ALHAMBRA
ALHAMBRA	ALHAMBRA	ALHAMBRA	ALHAMBRA
ALHAMBRA	ALHAMBRA	ALHAMBRA	ALHAMBRA

INSURANCE BASE RATES

Insurance	Rate	Insurance	Rate	Insurance	Rate
Life	10.5%	Life	10.5%	Life	10.5%
Life	10.5%	Life	10.5%	Life	10.5%
Life	10.5%	Life	10.5%	Life	10.5%
Life	10.5%	Life	10.5%	Life	10.5%
Life	10.5%	Life	10.5%	Life	10.5%

EXCHANGE CROSS RATES

Country	Rate	Country	Rate	Country	Rate
U.S.	1.48	U.S.	1.48	U.S.	1.48
U.S.	1.48	U.S.	1.48	U.S.	1.48
U.S.	1.48	U.S.	1.48	U.S.	1.48
U.S.	1.48	U.S.	1.48	U.S.	1.48
U.S.	1.48	U.S.	1.48	U.S.	1.48

EURO-CURRENCY INTEREST RATES

Country	Rate	Country	Rate	Country	Rate
U.S.	1.48	U.S.	1.48	U.S.	1.48
U.S.	1.48	U.S.	1.48	U.S.	1.48
U.S.	1.48	U.S.	1.48	U.S.	1.48
U.S.	1.48	U.S.	1.48	U.S.	1.48
U.S.	1.48	U.S.	1.48	U.S.	1.48

FOREIGN EXCHANGES

Country	Rate	Country	Rate	Country	Rate
U.S.	1.48	U.S.	1.48	U.S.	1.48
U.S.	1.48	U.S.	1.48	U.S.	1.48
U.S.	1.48	U.S.	1.48	U.S.	1.48
U.S.	1.48	U.S.	1.48	U.S.	1.48
U.S.	1.48	U.S.	1.48	U.S.	1.48

INTERNATIONAL COMMODITY NEWS EURO MARKETS

EUROBONDS

Quiet market

BY MARY CAMPBELL

WITH many European centres notably Italy—closed on Thursday, the market was relatively quiet towards the end of the week. U.S. dollar bonds showed a distinctly firmer tendency.

The numbers of new issues which closed were more than compensated for by new announcements, including \$100m. worth of ten-year issues and the first dollar convertible Eurobond by an American company since 1973.

Straight new issues were announced as follows: \$200m. Asian dollar bonds for five years for Industrial Bank of Japan via Daiwa Securities, indicated coupon 8 1/2 per cent. at a discount; \$200m. for five years for NYK International (under NYK Line) and Mitsubishi guaranteed via Kleinwort Benson, indicated coupon 8 1/2 per cent. at a discount; Can\$35m. for six years for Ford Motor Credit of Canada via Goldman Sachs, indicated coupon 9 1/2 per cent.; \$60m. for Bell Canada for ten years via Union Bank of Switzerland (Securities) indicated coupon 8 1/2 per cent.; and \$50m. for ten years for National Westminster Bank via Credit Suisse Wied, indicated coupon 8 per cent.

One floating rate issue, \$300m. for five years for Banque de l'Indochine et de l'Inde via Morgan Stanley was also announced.

Indices

NEW YORK—DOW JONES

June 16	June 17	June 18	June 19	June 20	June 21	High	Low	High	Low
Industrials	1001.90	1003.15	1006.85	1015.92	1017.40	1017.40	1017.40	1017.40	1017.40
Home Bonds	77.11	77.08	77.43	77.40	77.57	77.40	77.40	77.40	77.40
Transport	226.40	226.25	227.57	228.55	229.45	229.45	229.45	229.45	229.45
Utilities	118.15	118.25	118.57	118.70	118.82	118.82	118.82	118.82	118.82
Totals	33.70	33.81	33.80	33.80	33.80	33.80	33.80	33.80	33.80

STANDARD AND POORS

June 16	June 17	June 18	June 19	June 20	June 21	High	Low	High	Low
Industrials	116.85	116.73	117.78	117.17	117.13	117.13	117.13	117.13	117.13
Home Bonds	103.75	103.81	103.81	103.81	103.81	103.81	103.81	103.81	103.81
Utilities	103.75	103.81	103.81	103.81	103.81	103.81	103.81	103.81	103.81
Totals	3.41	3.53	3.46	3.46	3.46	3.46	3.46	3.46	3.46

OVERSEAS SHARE INFORMATION

NEW YORK

1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001	1000	999	998	997	996	995	994	993	992	991	990	989	988	987	986	985	984	983	982	981	980	979	978	977	976	975	974	973	972	971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مكتبة الامم المتحدة

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INSURANCE, PROPERTY, BONDS

A selection of the share prices previously shown under regional headings is repeated below with quotations on London. Irish issues, most of which are not actually listed in London, are shown separately and with prices as on the Irish

[illegible]

Westminster Agency, Inc. ■ Hambro Life Assurance Limited ■ Fire, Life & Marine Insurance

Allied Irish Banks Ltd.	104 1/2	C. Hoare & Co.	101 1/2
American Express Bank	104 1/2	Julian & Hodge	104 1/2
Banco-Portuguese Bank	110 1/2	Knox & Saxton	104 1/2
Banco de Bahia	110 1/2	Industrial Bank of Scot.	104 1/2
Banco de Bilbao	110 1/2	Keyser Ullmann	11 1/2
Banco de Jerez	12 1/2	Knowles & Co. Ltd.	12 1/2
Bank of Cyprus	11 1/2	Lloyds Bank	104 1/2
Bank of N.S.W.	104 1/2	London & European	11 1/2
Banque du Rhone S.A.	11 1/2	London Mercantile	11 1/2
Barclays Bank	10 1/2	Midland Bank	104 1/2
Barnett, Christie Ltd.	12 1/2	■ Samuel Montagu	104 1/2
Bemarr Holdings Ltd.	11 1/2	■ Morgan Grenfell	104 1/2
Berkshire, Mid. East	11 1/2	National Westminster	104 1/2
Brown Shipley	11 1/2	Northern Comm. Trust	11 1/2
Canada Permanent AFI	104 1/2	Norwich General Trust	11 1/2
Cargill, Bowyer Co. Ltd.	11 1/2	Portland Guaranty	94 1/2
Cedar Holdings	11 1/2	P. Refson & Co.	104 1/2
Charterhouse Japhet	11 1/2	Rossminster Accept'cs.	104 1/2
C. E. Coates	11 1/2	Schlesinger Limited	11 1/2
Consolidated Credits	11 1/2	E. S. Schwab	12 1/2
Co-operative Bank	104 1/2	Security Trust Co. Ltd.	12 1/2
Corinthian Securities	104 1/2	Shenley Trust	12 1/2
Credit Lyonnais	10 1/2	Standard Chartered	104 1/2
C. R. Davies	114 1/2	Trade Development Bk.	104 1/2
Debs & Brothers	11 1/2	Twentieth Century Bk.	12 1/2
De La Warr	104 1/2	United Bank of Kuwait	11 1/2
English Transcon	11 1/2	Whiteway Ltd.	11 1/2
First London Secs.	104 1/2	Williams & Glyn's	104 1/2
Antony Gibbs	11 1/2	Yorkshire Bank	104 1/2
Globe Durrant Trust	10 1/2	■ Members of the Accepting Houses Committee.	
Greyhound Guaranty	104 1/2	7-day deposits 6 1/2%, 1-month deposits 7 1/2%.	
Gridways Bank	110 1/2	† 7-day deposits on sums of £10,000 and over 6 1/2%, up to £25,000 7 1/2% and over £25,000 8 1/2%.	
Guinness Mahon	104 1/2	■ Demand deposits 8 1/2%.	
Hambros Bank	104 1/2	■ Call deposits over £1,000 6 1/2%.	
Hawth & Partners	13 1/2		
Hill Samuel	111 1/2		

[illegible]

Hamble Life Assurance Limited ♀		For Life & Equity Assurance	
7 Old Park Lane, London, W1		see Cannon Assurance 1	
7th Paid Up Ltd.	112.8	118.8	
London Equity	120.2	125.2	
Property	120.7	126.7	
Mar. Penn. Corp.	121.2	126.2	
Managed Acq.	121.8	126.8	
Mar. Penn. Corp.	122.3	127.3	
Mar. Penn. Corp.	122.8	127.8	
Mar. Penn. Corp.	123.3	128.3	
Mar. Penn. Corp.	123.8	128.8	
Mar. Penn. Corp.	124.3	129.3	
Mar. Penn. Corp.	124.8	129.8	
Mar. Penn. Corp.	125.3	130.3	
Mar. Penn. Corp.	125.8	130.8	
Mar. Penn. Corp.	126.3	131.3	
Mar. Penn. Corp.	126.8	131.8	
Mar. Penn. Corp.	127.3	132.3	
Mar. Penn. Corp.	127.8	132.8	
Mar. Penn. Corp.	128.3	133.3	
Mar. Penn. Corp.	128.8	133.8	
Mar. Penn. Corp.	129.3	134.3	
Mar. Penn. Corp.	129.8	134.8	
Mar. Penn. Corp.	130.3	135.3	
Mar. Penn. Corp.	130.8	135.8	
Mar. Penn. Corp.	131.3	136.3	
Mar. Penn. Corp.	131.8	136.8	
Mar. Penn. Corp.	132.3	137.3	
Mar. Penn. Corp.	132.8	137.8	
Mar. Penn. Corp.	133.3	138.3	
Mar. Penn. Corp.	133.8	138.8	
Mar. Penn. Corp.	134.3	139.3	
Mar. Penn. Corp.	134.8	139.8	
Mar. Penn. Corp.	135.3	140.3	
Mar. Penn. Corp.	135.8	140.8	
Mar. Penn. Corp.	136.3	141.3	
Mar. Penn. Corp.	136.8	141.8	
Mar. Penn. Corp.	137.3	142.3	
Mar. Penn. Corp.	137.8	142.8	
Mar. Penn. Corp.	138.3	143.3	
Mar. Penn. Corp.	138.8	143.8	
Mar. Penn. Corp.	139.3	144.3	
Mar. Penn. Corp.	139.8	144.8	
Mar. Penn. Corp.	140.3	145.3	
Mar. Penn. Corp.	140.8	145.8	
Mar. Penn. Corp.	141.3	146.3	
Mar. Penn. Corp.	141.8	146.8	
Mar. Penn. Corp.	142.3	147.3	
Mar. Penn. Corp.	142.8	147.8	
Mar. Penn. Corp.	143.3	148.3	
Mar. Penn. Corp.	143.8	148.8	
Mar. Penn. Corp.	144.3	149.3	
Mar. Penn. Corp.	144.8	149.8	
Mar. Penn. Corp.	145.3	150.3	
Mar. Penn. Corp.	145.8	150.8	
Mar. Penn. Corp.	146.3	151.3	
Mar. Penn. Corp.	146.8	151.8	
Mar. Penn. Corp.	147.3	152.3	
Mar. Penn. Corp.	147.8	152.8	
Mar. Penn. Corp.	148.3	153.3	
Mar. Penn. Corp.	148.8	153.8	
Mar. Penn. Corp.	149.3	154.3	
Mar. Penn. Corp.	149.8	154.8	
Mar. Penn. Corp.	150.3	155.3	
Mar. Penn. Corp.	150.8	155.8	
Mar. Penn. Corp.	151.3	156.3	
Mar. Penn. Corp.	151.8	156.8	
Mar. Penn. Corp.	152.3	157.3	
Mar. Penn. Corp.	152.8	157.8	
Mar. Penn. Corp.	153.3	158.3	
Mar. Penn. Corp.	153.8	158.8	
Mar. Penn. Corp.	154.3	159.3	
Mar. Penn. Corp.	154.8	159.8	
Mar. Penn. Corp.	155.3	160.3	
Mar. Penn. Corp.	155.8	160.8	
Mar. Penn. Corp.	156.3	161.3	
Mar. Penn. Corp.	156.8	161.8	
Mar. Penn. Corp.	157.3	162.3	
Mar. Penn. Corp.	157.8	162.8	
Mar. Penn. Corp.	158.3	163.3	
Mar. Penn. Corp.	158.8	163.8	
Mar. Penn. Corp.	159.3	164.3	
Mar. Penn. Corp.	159.8	164.8	
Mar. Penn. Corp.	160.3	165.3	
Mar. Penn. Corp.	160.8	165.8	
Mar. Penn. Corp.	161.3	166.3	
Mar. Penn. Corp.	161.8	166.8	
Mar. Penn. Corp.	162.3	167.3	
Mar. Penn. Corp.	162.8	167.8	
Mar. Penn. Corp.	163.3	168.3	
Mar. Penn. Corp.	163.8	168.8	
Mar. Penn. Corp.	164.3	169.3	
Mar. Penn. Corp.	164.8	169.8	
Mar. Penn. Corp.	165.3	170.3	
Mar. Penn. Corp.	165.8	170.8	
Mar. Penn. Corp.	166.3	171.3	
Mar. Penn. Corp.	166.8	171.8	
Mar. Penn. Corp.	167.3	172.3	
Mar. Penn. Corp.	167.8	172.8	
Mar. Penn. Corp.	168.3	173.3	
Mar. Penn. Corp.	168.8	173.8	
Mar. Penn. Corp.	169.3	174.3	
Mar. Penn. Corp.	169.8	174.8	
Mar. Penn. Corp.	170.3	175.3	
Mar. Penn. Corp.	170.8	175.8	
Mar. Penn. Corp.	171.3	176.3	
Mar. Penn. Corp.	171.8	176.8	
Mar. Penn. Corp.	172.3	177.3	
Mar. Penn. Corp.	172.8	177.8	
Mar. Penn. Corp.	173.3	178.3	
Mar. Penn. Corp.	173.8	178.8	
Mar. Penn. Corp.	174.3	179.3	
Mar. Penn. Corp.	174.8	179.8	
Mar. Penn. Corp.	175.3	180.3	
Mar. Penn. Corp.	175.8	180.8	
Mar. Penn. Corp.	176.3	181.3	
Mar. Penn. Corp.	176.8	181.8	
Mar. Penn. Corp.	177.3	182.3	
Mar. Penn. Corp.	177.8	182.8	
Mar. Penn. Corp.	178.3	183.3	
Mar. Penn. Corp.	178.8	183.8	
Mar. Penn. Corp.	179.3	184.3	
Mar. Penn. Corp.	179.8	184.8	
Mar. Penn. Corp.	180.3	185.3	
Mar. Penn. Corp.	180.8	185.8	
Mar. Penn. Corp.	181.3	186.3	
Mar. Penn. Corp.	181.8	186.8	
Mar. Penn. Corp.	182.3	187.3	
Mar. Penn. Corp.	182.8	187.8	
Mar. Penn. Corp.	183.3	188.3	
Mar. Penn. Corp.	183.8	188.8	
Mar. Penn. Corp.	184.3	189.3	
Mar. Penn. Corp.	184.8	189.8	
Mar. Penn. Corp.	185.3	190.3	
Mar. Penn. Corp.	185.8	190.8	
Mar. Penn. Corp.	186.3	191.3	
Mar. Penn. Corp.	186.8	191.8	
Mar. Penn. Corp.	187.3	192.3	
Mar. Penn. Corp.	187.8	192.8	
Mar. Penn. Corp.	188.3	193.3	
Mar. Penn. Corp.	188.8	193.8	
Mar. Penn. Corp.	189.3	194.3	
Mar. Penn. Corp.	189.8	194.8	
Mar. Penn. Corp.	190.3	195.3	
Mar. Penn. Corp.	190.8	195.8	
Mar. Penn. Corp.	191.3	196.3	
Mar. Penn. Corp.	191.8	196.8	
Mar. Penn. Corp.	192.3	197.3	
Mar. Penn. Corp.	192.8	197.8	
Mar. Penn. Corp.	193.3	198.3	
Mar. Penn. Corp.	193.8	198.8	
Mar. Penn. Corp.	194.3	199.3	
Mar. Penn. Corp.	194.8	199.8	
Mar. Penn. Corp.	195.3	200.3	
Mar. Penn. Corp.	195.8	200.8	
Mar. Penn. Corp.	196.3	201.3	
Mar. Penn. Corp.	196.8	201.8	
Mar. Penn. Corp.	197.3	202.3	
Mar. Penn. Corp.	197.8	202.8	
Mar. Penn. Corp.	198.3	203.3	
Mar. Penn. Corp.	198.8	203.8	
Mar. Penn. Corp.	199.3	204.3	
Mar. Penn. Corp.	199.8	204.8	
Mar. Penn. Corp.	200.3	205.3	
Mar. Penn. Corp.	200.8	205.8	
Mar. Penn. Corp.	201.3	206.3	
Mar. Penn. Corp.	201.8	206.8	
Mar. Penn. Corp.	202.3	207.3	
Mar. Penn. Corp.	202.8	207.8	
Mar. Penn. Corp.	203.3	208.3	
Mar. Penn. Corp.	203.8	208.8	
Mar. Penn. Corp.	204.3	209.3	
Mar. Penn. Corp.	204.8	209.8	
Mar. Penn. Corp.	205.3	210.3	
Mar. Penn. Corp.	205.8	210.8	
Mar. Penn. Corp.	206.3	211.3	
Mar. Penn. Corp.	206.8	211.8	
Mar. Penn. Corp.	207.3	212.3	
Mar. Penn. Corp.	207.8	212.8	
Mar. Penn. Corp.	208.3	213.3	
Mar. Penn. Corp.	208.8	213.8	
Mar. Penn. Corp.	209.3	214.3	
Mar. Penn. Corp.	209.8	214.8	
Mar. Penn. Corp.	210.3	215.3	
Mar. Penn. Corp.	210.8	215.8	
Mar. Penn. Corp.	211.3	216.3	
Mar. Penn. Corp.	211.8	216.8	
Mar. Penn. Corp.	212.3	217.3	
Mar. Penn. Corp.	212.8	217.8	
Mar. Penn. Corp.	213.3	218.3	
Mar. Penn. Corp.	213.8	218.8	
Mar. Penn. Corp.	214.3	219.3	
Mar. Penn. Corp.	214.8	219.8	
Mar. Penn. Corp.	215.3	220.3	
Mar. Penn. Corp.	215.8	220.8	
Mar. Penn. Corp.	216.3	221.3	
Mar. Penn. Corp.	216.8	221.8	
Mar. Penn. Corp.	217.3	222.3	
Mar. Penn. Corp.	217.8	222.8	
Mar. Penn. Corp.	218.3	223.3	
Mar. Penn. Corp.	218.8	223.8	
Mar. Penn. Corp.	219.3	224.3	
Mar. Penn. Corp.	219.8	224.8	
Mar. Penn. Corp.	220.3	225.3	
Mar. Penn. Corp.	220.8	225.8	
Mar. Penn. Corp.	221.3	226.3	
Mar. Penn. Corp.	221.8	226.8	
Mar. Penn. Corp.	222.3	227.3	
Mar. Penn. Corp.	222.8	227.8	
Mar. Penn. Corp.	223.3	228.3	
Mar. Penn. Corp.	223.8	228.8	
Mar. Penn. Corp.	224.3	229.3	
Mar. Penn. Corp.	224.8	229.8	
Mar. Penn. Corp.	225.3	230.3	
Mar. Penn. Corp.	225.8	230.8	
Mar. Penn. Corp.	226.3	231.3	
Mar. Penn. Corp.	226.8	231.8	
Mar. Penn. Corp.	227.3	232.3	
Mar. Penn. Corp.	227.8	232.8	
Mar. Penn. Corp.	228.3	233.3	
Mar. Penn. Corp.	228.8	233.8	
Mar. Penn. Corp.	229.3	234.3	
Mar. Penn. Corp.	229.8	234.8	
Mar. Penn. Corp.	230.3	235.3	
Mar. Penn. Corp.	230.8	235.8	
Mar. Penn. Corp.	231.3	236.3	
Mar. Penn. Corp.	231.8	236.8	
Mar. Penn. Corp.	232.3	237.3	
Mar. Penn. Corp.	232.8	237.8	
Mar. Penn. Corp.	233.3	238.3	
Mar. Penn. Corp.	233.8	238.8	
Mar. Penn. Corp.	234.3	239.3	
Mar. Penn. Corp.	234.8	239.8	
Mar. Penn. Corp.	235.3	240.3	
Mar. Penn. Corp.	235.8	240.8	
Mar. Penn. Corp.	236.3	241.3	
Mar. Penn. Corp.	236.8	241.8	
Mar. Penn. Corp.	237.3	242.3	
Mar. Penn. Corp.	237.8	242.8	
Mar. Penn. Corp.	238.3	243.3	
Mar. Penn. Corp.	238.8	243.8	
Mar. Penn. Corp.	239.3	244.3	
Mar. Penn. Corp.	239.8	244.8	
Mar. Penn. Corp.	240.3	245.3	
Mar. Penn. Corp.	240.8	245.8	
Mar. Penn. Corp.	241.3	246.3	
Mar. Penn. Corp.	241.8	246.8	
Mar. Penn. Corp.	242.3	247.3	
Mar. Penn. Corp.	242.8	247.8	
Mar. Penn. Corp.	243.3	248.3	
Mar. Penn. Corp.	243.8	248.8	
Mar. Penn. Corp.	244.3	249.3	
Mar. Penn. Corp.	244.8	249.8	
Mar. Penn. Corp.	245.3	250.3	
Mar. Penn. Corp.	245.8	250.8	
Mar. Penn. Corp.	246.3	251.3	
Mar. Penn. Corp.	246.8	251.8	
Mar. Penn. Corp.	247.3	252.3	
Mar. Penn. Corp.	247.8	252.8	
Mar. Penn. Corp.	248.3	253.3	
Mar. Penn. Corp.	248.8	253.8	
Mar. Penn. Corp.	249.3	254.3	
Mar. Penn. Corp.	249.8	254.8	
Mar. Penn. Corp.	250.3	255.3	
Mar. Penn. Corp.	250.8	255.8	
Mar. Penn. Corp.	251.3	256.3	
Mar. Penn. Corp.	251.8	256.8	
Mar. Penn. Corp.	252.3	257.3	
Mar. Penn. Corp.	252.8	257.8	
Mar. Penn. Corp.	253.3	258.3	
Mar. Penn. Corp.	253.8	258.8	
Mar. Penn. Corp.	254.3	259.3	
Mar. Penn. Corp.	254.8	259.8	
Mar. Penn. Corp.	255.3	260.3	
Mar. Penn. Corp.	255.8	260.8	
Mar. Penn. Corp.	256.3	261.3	
Mar. Penn. Corp.	256.8	261.8	
Mar. Penn. Corp.	257.3	262.3	
Mar. Penn. Corp.	257.8	262.8	
Mar. Penn. Corp.	258.3	263.3	
Mar. Penn. Corp.	258.8	263.8	
Mar. Penn. Corp.	259.3	264.3	
Mar. Penn. Corp.	259.8	264.8	
Mar. Penn. Corp.	260.3	265.3	
Mar. Penn. Corp.	260.8	265.8	
Mar. Penn. Corp.	261.3	266.3	
Mar. Penn. Corp.	261.8	266.8	
Mar. Penn. Corp.	262.3	267.3	
Mar. Penn. Corp.	262.8	267.8	
Mar. Penn. Corp.	263.3	268.3	
Mar. Penn. Corp.	263.8	268.8	
Mar. Penn. Corp.	264.3	269.3	
Mar. Penn. Corp.	264.8	269.8	
Mar. Penn. Corp.	265.3	270.3	
Mar. Penn. Corp.	265.8	270.8	
Mar. Penn. Corp.	266.3	271.3	
Mar. Penn. Corp.	266.8	271.8	
Mar. Penn. Corp.	267.3	272.3	
Mar. Penn. Corp.	267.8	272.8	
Mar. Penn. Corp.	268.3	273.3	
Mar. Penn. Corp.	268.8	273.8	
Mar. Penn. Corp.	269.3	274.3	
Mar. Penn. Corp.	269.8	274.8	
Mar. Penn. Corp.	270.3	275.3	
Mar. Penn. Corp.	270.8	275.8	
Mar. Penn. Corp.	271.3	276.3	
Mar. Penn. Corp.	271.8	276.8	
Mar. Penn. Corp.	272.3	277.3	
Mar. Penn. Corp.	272.8	277.8	
Mar. Penn. Corp.	273.3	278.3	
Mar. Penn. Corp.	273.8	278.8	
Mar. Penn. Corp.	274.3	279.3	
Mar. Penn. Corp.	274.8	279.8	
Mar. Penn. Corp.	275.3	280.3	
Mar. Penn. Corp.	275.8	280.8	
Mar. Penn. Corp.	276.3	281.3	
Mar. Penn. Corp.	276.8	281.8	
Mar. Penn. Corp.	277.3	282.3	
Mar. Penn. Corp.	277.8	282.8	
Mar. Penn. Corp.	278.3	283.3	
Mar. Penn. Corp.	278.8	283.8	
Mar. Penn. Corp.	279.3	284.3	
Mar. Penn. Corp.	279.8	284.8	
Mar. Penn. Corp.	280.3	285.3	
Mar. Penn. Corp.	280.8	285.8	
Mar. Penn. Corp.	281.3	286.3	
Mar. Penn. Corp.			

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OFFSHORE AND OVERSEAS FUNDS

FINANCIAL TIMES STOCK INDICES

	June 16	June 17	June 18	June 19	June 20	A Year ago
Investment Secs.	62.55	62.49	62.55	62.49	62.23	62.53
and Interest	62.15	61.91	61.95	62.48	61.78	61.81
Mutual Funds	286.9	279.8	283.0	281.5	276.1	278.7
and Income	167.0	170.0	184.9	191.0	187.5	185.7
At Div. Yield	5.55	5.55	5.57	5.62	5.55	5.64
Foreign 'Ting (Multi)	15.76	16.01	15.81	13.95	16.07	16.04
Ratio (on 100)	9.40	9.25	9.27	9.29	9.22	9.24
Equities marked	4,184	4,208	4,332	4,610	4,883	4,598
Value turnover Em.		94.18	40.78	86.33	88.69	49.98
Buy bargain total		6,630	10,202	11,003	9,980	11,678

S. AND LOWS S.E. AC

	1976		Since Completion			June 18	June 17
	High	Low	High	Low			
Wt. Sec.	65.21 (91/17)	60.15 (21/17)	127.4 (91/18)	49.16 (41/17)	Daily Cult. Regd. Industrie	127.0 125.6	140.0 135.4
Incorporated Ind.	64.43	59.75	150.5	50.52	Speculative	59.5	52.5
	62.80 (22/17)	56.64 (41/17)	150.5	50.52	Specialty	83.5	95.6
& Ord.			133.5	69.4	Gday & Eve's		
	62.80 (22/17)	56.64 (41/17)	150.5 (136/17)	50.52 (25/40)	Cult. Regd.	148.9	161.1
Mid Mines	246.5	140.1	425.3	43.5	Industrie	50.3	45.8
	241.7 (21/17)	137.4 (21/17)	425.3 (42/17)	43.5 (10/11)	Total	99.7	99.3

—ACTUARIES INDICES

	June 18	June 17	June 16	June 15	June 14	June 11	A year ago
Industrial Group Shares	152.94	151.11	155.03	151.94	152.17	150.74	153.43
Yield pct	171.18	168.69	171.17	168.70	169.51	166.22	146.62
Ratio (net)	5.75	5.82	5.75	5.90	5.79	5.64	6.06
Shares	10.35	10.21	10.52	10.26	10.35	10.23	7.20
Yield pct	159.33	157.20	159.52	157.85	157.94	156.55	144.78
Ratio (net)	14.00	13.98	13.99	13.98	14.17	14.06	14.78

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NOTES

[illegible]

Robertson's has a successful year in a depressed grocery market.

Highlights of the statement by the Chairman, Mr. Christopher Robertson.

Results for the year ending 31st March, 1976

	1976	1975
Group turnover	£5000	£5000
Profit before tax	45940	41837
Earnings per ordinary share	10.2p	9.79p
Total ordinary dividend	4.66p	4.27p

- * A record profit for the Group, but margins suffered a further decline.
- * In order to lift the total share of markets, prices of branded preserves and cake mixes were reduced in anticipation of the fall in interest charges and the reduction in the cost of sugar.
- * Trading has remained depressed in most grocery markets with the exception of breakfast cereals.
- * Exports were aided by the fall in raw material costs and the weakening of the pound.
- * It seems that we are entering a period of comparative economic stability. If Government will create the right atmosphere by rewarding both the successful company and the enterprising individual, the economy will respond.

Preserves

Jam and marmalade markets as a whole fell in volume. However, our volume remained the same, thus increasing our market share to its highest level in 4 to 5 years.



Cake and Dessert Mixes

...after the exceptional expansion of this market last year, there has been little change.

Canned Fruit and Vegetables

...to conserve cash the reorganised canning operations maintained a reduced level of production.



Breakfast Cereals

...demand has been in excess of production capacity for cornflakes, wheat biscuits and muesli sold under customer brands. A further expansion programme will involve very substantial capital expenditure, the cost of which will come from Group resources.

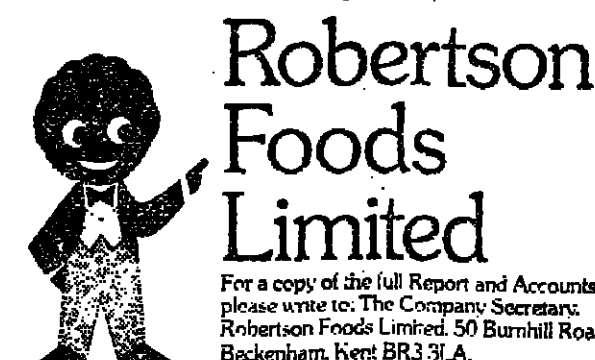
Peny S.A.

...our French subsidiary produced a very satisfactory contribution to Group profits, and 1976/77 looks promising.



Other Products

...Christmas lines were disappointing, but soft drink sales increased helped by good weather in 1975.



Robertson Foods Limited

For a copy of the full Report and Accounts, please write to: The Company Secretary, Robertson Foods Limited, 50 Burnhill Road, Beckenham, Kent BR3 3LA.

Arms and the salesman

BY MALCOLM RUTHERFORD

THE VALUE of the international arms trade is running at between \$10-12bn. a year and is likely to continue to expand rapidly.

This is one of the reasons why the Government has approved the British Army Equipment Exhibition, which opens in Aldershot today. The other is the fear that, if Britain does not visibly push its arms sales, a potentially enormous contribution to the balance of payments will be lost—especially to the French.

A little less than half of the world's armaments exports last year went to the third world, and well over half of that went to the Middle East.

In the competition for third world markets, the U.S. came out first, with sales worth \$1.77bn. at constant (1973) prices. The Soviet Union was second, with \$1.65bn. Britain was a poor third with \$800m. but still ahead of France, with \$477m.

Middle East

Although Middle East markets are the most lucrative, it is worth noting that no fewer than 95 countries last year imported major weapons.

The boom goes back, like so many other things, to the Yom Kippur war of 1973.

Middle East arms spending

had been increasing much more rapidly than that of the rest of the world for many years before that. In the 1950s, for example, the average annual rate of increase was 11.5 per cent.

Since 1961, however, it has been 19.5 per cent, and the really startling increase began around 1972, shortly before the Yom Kippur war was launched.

By 1974, 16 per cent. of the combined Middle East GNP was being spent on defence. Israel was contributing 32 per cent. of its GNP, Egypt nearly 23 per cent., and Iraq, Jordan, Saudi Arabia and Syria all around 15 per cent. (U.S. defence expenditure is around 6 per cent. of GNP.)

The Yom Kippur war was a watershed in many ways. It showed the deficiencies in many conventional armaments and hence the need for improvements.

It demonstrated Arab power in that the contesting Arab states fought relatively well, and the increase in oil prices demonstrated Arab power even more.

It gave the Arabs the money to pay for new weapons and the financial power almost to insist that the West should deliver.

At the same time, the U.S. in particular was not prepared to deliver to the Arab states alone.

To preserve the balance of power, Israel also needed new weapons systems. The result was a general escalation in the

sort of arms being supplied to Britain is selling to Iran for over \$500m. will have an engine which the British cannot afford for their own tanks. It will be fitted with the new Chobham armour states. But both had already been building up their armed forces and both had oil revenues.

They began to demand, and receive, much more advanced equipment than had been the case in the past. Britain and France especially began to drop previous inhibitions about exports, and Mr. Roy Mason, the British Defence Secretary, has stressed several times that in their own right.

The Israelis have produced an advanced fighter aircraft, known as the Kfir, which was derived from imported technology and now competes on world markets. There is a great deal of Arab money behind a plan to build an indigenous arms industry in Egypt which could, conceivably, go the same way.

For the moment, however, the British and the French are simply competing to build. Only the Americans retain a degree of credibility when they say that their arms supply policy is related to the balance of power as well as the balance of payments.

Figures taken from World Armaments and Disarmament SIPRI Yearbook - 1976, MIP Press, 126 Buckingham Palace Road, London, S.W.1.

U.S. credibility

In the longer run, it is possible that the Arab countries will follow the example of the Israelis and become producers of defence exports create jobs at home.

With the major exception of Israel, Middle East countries do not have the ability yet to develop or manufacture weapons systems of their own, but they do have the money to buy them.

One consequence of this abundance of money, but absence of technology, has been suggestions that some oil states, notably Iran and Saudi Arabia, might fund the research and development of weapons programmes which the U.S. regards as beyond its own resources.

This could lead to a situation where the buyer country has more advanced weaponry than the country which produced it. In the British case, this is already happening. The 1,200 improved Chieftain tanks which

World bulk carrier surplus forecast

BY JOHN WYLES, SHIPPING CORRESPONDENT

A warning that world shipping is heading for a bulk carrier surplus almost as serious as the present tanker crisis comes today as representatives of the tanker industry gather in London for further talks on their predicament.

The prediction that bulk carrier over-capacity could be as much as 25m. deadweight tons by 1980 has been made by Mr. John Stapleton, Director of the Maritime Transport Research Section of the Shipbuilders and Repairers National Association. His grim forecast is based on one of the most comprehensive analysis of the movement of raw materials ever made which shows that previous levels of growth in this sector of world shipping will be halved by 1985.

MTR's study, published today, reveals that the phenomenal growth of Japanese manufacturing between 1965 and 1972, averaging 12.2 per cent. a year, accounted for 73 per cent. of the growth in seaborne trade of raw materials during the same period.

A critical factor which will reduce the importation growth rate is, according to MTR's study, a likely downturn in Japan's construction industry whose growth rate will fall from the 13 per cent. per annum in the 1960s to about 4.5 per cent. per annum in 1985. This will cut the demand in Japan for steel and forest products which, as well as a probable limited growth in raw manufacturing and an actual fall in shipbuilding's demand for steel, indicates that the growth of raw materials shipment into Japan will fall from the 8 per cent. per annum established in the 1960s to around 4 per cent. in 1985.

"Dry Cargo ship demand to 1985" Vol. 3, Raw Materials, published by Maritime Transport Research from Graham and Trotman Ltd., 20, Southerly Place, Regent Street, London, SW1V 1HH, price \$175 or £95

Week in Parliament

TO-DAY: Expenditure: General Sub-committee developments in the Civil Service since the Fulton Report. Witnesses: Mr. S. Henig, Civil Service College; Joint Consultative Committees, trade union side.

TO-MORROW: Direct elections to the European Assembly. Witnesses: Home Office.

WEDNESDAY: Expenditure: Environment Sub-committee planning procedure. Witnesses: DoE, Social Services and employment Sub-committee

preventive medicine. Witnesses: Faculty of Community Medicine; Society of Community Medicine.

THURSDAY: Science and Technology: Science Sub-committee industry and scientific research. Witnesses: Cranfield Institute of Technology at Bedford, Race relations and race relations and immigration: the West Indian community. Witnesses: Association of Chief Police Officers; Post Conference Constituent Committee.

This advertisement is published in compliance with the requirements of the Council of The Stock Exchange

E.I.D. - PARRY (INDIA) LIMITED

(Incorporated in the Republic of India under the Companies Act, 1956)

The Council of The Stock Exchange has admitted to the Official List the whole of the issued share capital of E.I.D. - Parry (India) Limited ("Parry") namely Rs.6,68,11,690 in 400,000 11 per cent. Redeemable Cumulative Preference Shares of Rs.10 each and 6,281,169 Equity Shares of Rs.10 each.

The Scheme of Arrangement and Amalgamation under Sections 391 and 394 of the Companies Act 1956 of India and Section 206 of the Companies Act 1948 of the United Kingdom involving the transfer of the undertaking of E.I.D. - Parry Limited ("EID") to Parry was approved by the Court in Madras and in England on 29th April, 1976 and 3rd May, 1976 respectively and became effective on 18th June, 1976 ("the Operative Date").

Pursuant to the Scheme the whole of the undertaking, assets and liabilities of EID were transferred to Parry. Shareholders of EID registered at the close of business on 17th June, 1976 have been allotted shares of Parry, credited as fully paid up, on the following basis:-

For every 9 per cent Cumulative Preference Share of £1 of EID.	Two 11 per cent Redeemable Cumulative Preference Shares of Rs.10 each of Parry.
For every Ordinary Share of £1 of EID.	Two Equity Shares of Rs.10 each of Parry.

Existing Certificates representing former holdings in EID will be called in in due course, and Certificates in respect of shares of Parry will be despatched to those entitled not later than 12th August, 1976 against receipt of the relevant EID Share Certificates, or within 7 days after receipt of such Certificates, whichever shall be the later.

Particulars with regard to Parry are available in the Extel Statistical Services Limited and copies may be obtained during usual business hours on any weekday (Saturdays excepted) up to and including 12th July, 1976 from:

Rowe & Pitman, Hurst-Brown, City Gate House, 39/45 Finsbury Square, London EC2 1JA.

21st June, 1976.

All of these securities having been sold, this announcement appears as a matter of record only.

June, 1976

\$50,000,000

Northwest Pipeline Corporation

10 1/4% Sinking Fund Debentures Due 1991

Loeb, Rhoades & Co.

Bache Halsey Stuart Inc.

The First Boston Corporation

Blyth Eastman Dillon & Co.

Dillon, Read & Co. Inc.

Donaldson, Lufkin & Jenrette

Drexel Burnham & Co.

Goldman, Sachs & Co.

Hornblower & Weeks-Hemphill, Noyes

E. F. Hutton & Company Inc.

Kidder, Peabody & Co.

Lazard Frères & Co.

Lehman Brothers

Merrill Lynch, Pierce, Fenner & Smith

Paine, Webber, Jackson & Curtis

Reynolds Securities Inc.

Salomon Brothers

Smith Barney, Harris Upham & Co.

Wertheim & Co., Inc.

White, Weld & Co.

Dean Witter & Co.

Warburg Paribas Becker Inc.

ABD Securities Corporation

Basle Securities Corporation

New Court Securities Corporation

SoGen-Swiss International Corporation

UBS-DB Corporation

Nomura Securities International, Inc.

Wood Gundy Incorporated

Yamaichi International (America), Inc.

PORTSMOUTH AND SUNDERLAND NEWSPAPERS LIMITED

THE HON. RICHARD STOREY'S REVIEW FOR THE PERIOD APRIL 1, 1975 TO APRIL 3, 1976

On April 26, 1976, the Echo, Sunderland, was produced in web-offset full colour and by computerized photo composition at the new building on a Sunderland trading estate near the A19 trunk road. This exciting move, delayed by manufacturers' inactivity, was made without interruption in publication. It is a tribute to the staff, every body, including those at Hartlepool and Portsmouth, who helped to achieve this. The development will save the company nothing, however, unless all involved are willing to concentrate on producing the finest paper possible with the new plant and premises which have been designed to use modern methods and give employees the maximum comfort and pleasure.

The severe decline in "situations vacant" advertising continued and trading suffered from improving in the second half of the period when the volume of other advertising increased significantly. The depression in business and advertising to services in the South and in the Northern offices, relatively better results than the company's profitability was increased, marginally. Hartlepool, particularly, is to be congratulated for obtaining the best results for many years, although this office was only a small circulation newspaper cannot be expected to provide a large contribution to the Company's profit.

Albeit now a truism, it is manifest that it is impossible to achieve consistently high profits during the duration of a nationally uncontrolled economic cycle; this will be particularly true in Sunderland for the same reason that it is already a truism, so in Portsmouth where a large capacity for production cannot easily be reduced without putting at risk long-term trade. I am afraid that far too much of this period's profit has been achieved from price increases and advertising rate increases, the latter volume advertising alone would have been wholly inadequate to meet the still escalating cost of wages and materials.

Nevertheless, owing to reductions in newspaper stocks and debtors and, latterly, more advertising, cash flow has improved considerably. If the improved advertising demand continues and wages cease to rise so sharply, each of which is reasonable to expect, the larger volume of advertising alone would have been wholly inadequate to meet the still escalating cost of wages and materials.

Further reliance on the resort so popular with nationalised industries, of responding to every trading difficulty by raising rates, during the duration of the evidence is available, in the recent report by the House of Commons on the Press for example, that cover price increases are incurably damaging circulations. House of Commons coverage for all newspapers including those of the Company is declining. This coverage needs to rise before there can be any confidence in the effect of further cover price increases and advertising rate increases. Although this year the market may stand higher advertising rates which were raised this spring.

In ten years the Company has invested £2m. on new premises and plant for the present and future benefit of shareholders and employees. Although regular capital expenditure will still be necessary, especially as much composing and web-offset machinery requires replacement more frequently than the traditional kind, the Company now has two well equipped bases from which to operate. Any suggestion that low productivity in industry is due to managements' failure, to invest is patently absurd, if applied to this Company. It is true, however, that if the trade unions were generally less hostile toward the introduction of new machinery this Company would have invested better and could have obtained a higher return on that which it has invested.

Important plans are being made for Portsmouth, where in 1975, it is intended to introduce new production methods involving a fully integrated system for editorial, advertising and accounting purposes by the use of the most modern equipment available—research on which the Company undertook in North America and subsequently submitted to the Royal Commission. It is planned to phase savings in staff which is being given to have it at all. Hartlepool can benefit from the larger and closer capacity now available at Sunderland.

Since 1967, excluding the Newcastle subsidiary, the Company's capital employed has risen 191 per cent. (1975 turnover 232 per cent. the number employed by 176 (24 per cent.) and wages per employee 233 per cent. The Company's improved trading, based on capital investment, allowed wages per employee to increase 28 per cent. more than the cost of living over those ten years. This is strong evidence that present and future employees will benefit most by the Company continuing to invest in and efficiently the best machinery available. During the period the gross dividend paid to shareholders has increased 26 per cent.

In 1975 local action in a national dispute with some production union caused serious disruption at Portsmouth but good relations have been restored and, hopefully, will now be maintained.

Terms for conducting the important experiment in the use of modern composing machinery known as OGC about which I reported last year, proved unacceptable to the trade union in Sunderland and the test was abandoned. This machinery is now being used in some and tried in other provincial newspapers. In what for them were particularly difficult trading conditions, the News Shops results did not improve and it was hoped they would, but I believe, given further time this subsidiary will become profitable.

Broadcasting was started by Portsmouth and Teeside local radio stations and continued by the Tyne-side and the Company has invested in each of these, but their future is still unpredictable.

Because it is believed legislation permitting a "closed shop" in journalism could restrict the freedom of expression in newspapers, the Company took part in the campaign to oppose such legislation but, most regretfully, it was enacted. One mechanical union used interference with the Company which guarantees, under service contracts with them, its editors' discretion over the content of their newspapers, will continue firmly to support the Newspaper Society in its determination to prevent any action which could inhibit that discretion.

The state of legislation is unabated and companies of this size will suffer further as yet more impediments to their profitability are created. The Company's economic crisis, mismanagement for the nation's economic crisis.

No detailed basis for inflation accounting has yet been agreed for the Company, but it is calculated that the extra depreciation required on assets valued at replacement cost would reduce this period's profit before tax by about £400,000.

Finally with strong feeling I express my thanks to Mr. E. S. Hoare, who has retired as General Manager of the Northern offices, for his loyal, generous and conscientious way in which he has served the Company.

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The SABAH TIMBER Company Limited

In his statement circulated with the accounts for the year ended 31st December 1975 the Chairman, Mr. H. G. C. Townsend, O.B.E., reports:

Maximum permitted dividend.

Liquid resources of £3.4 million, since increased.

Continuing expansion of the group.

In the current year, better log prices in the East and some improvement in U.K. demand for timber and building materials.

**SUMMARY OF RESULTS FOR YEAR ENDED
31ST DECEMBER 1975**

Turnover	£51,340,958
Profit before tax	\$4,118,848
Profit after tax and sundries	\$1,772,203
Dividends	\$523,612
Net profit retained	\$1,248,591
Shareholders' funds	\$15,075,950
Earnings per 10p share	4.19p
Dividend per 10p share	1.33p

Registered Office:
1-4 Great Tower Street, London EC3R 5AB

Annual General Meeting — 12th July, 1976

